**Drainage Service Department** 

Monthly Environmental Monitoring & Auditing report for

Contract No.DC/2009/22 Drainage Improvement in Shuen Wan, Tai Po – Contract 1

June 2012

Environmental Pioneers & Solutions Limited
Flat A, 19/F, Chaiwan Industrial Building,
20 Lee Chung Street, Chai Wan, Hong Kong
Tel: 2556 9172 Fax: 2856 2010

Contract No. DC/2009/22 - Drainage Improvement in Shuen Wan, Tai Po - Contract 1 Monthly EM&A Report for June 2012

#### **APPROVAL SHEET**

The Contents of this report have been

Certified by:

Signature:

Date: 11-Jun-2012

Miss. Goldie Fung (Environmental Team Leader)

Ecologist (Asia Ecological Consultants Ltd.)

Signature:

Date: 11 July 2012

Dr. Michael Leven (Ecologist)

RLA (Environmental Resources Management)

Signature Miss. Christina-(RLA)

Date: 11/7/2012

and Verified by:

IEC (ENVIRON Hong Kong Limited)

Signature:

Mr. Tony Cheng (IEC)

13 2012 ٦ Date:

**Environmental Pioneers and Solutions Limited** 

# TABLE OF CONTENT

EXI	ECUT	TIVE SUMMARY	vi					
1	Intr	oduction1						
2	Con	nstruction Stage						
	2.1	Construction activities in the reporting period	2					
	2.2	Construction activities for the coming month	2					
	2.3	Environmental Status	3					
3	Nois	se Monitoring	4					
	3.1	Monitoring Parameters and Methodology	4					
	3.2	Monitoring Equipment	4					
	3.3	Monitoring Locations	5					
	3.4	Monitoring Results and Interpretation	7					
	3.5	Action and Limit level for Construction noise	7					
	3.6	Monitoring Schedule for the next reporting period	8					
4	Wat	er Monitoring	10					
	4.1	Water Quality Monitoring Parameters and methodology	10					
	4.2	Monitoring Equipment	10					
	4.3	Monitoring Locations	11					
	4.4	Monitoring Frequency	14					
	4.5	Monitoring Results and Interpretation	14					
	4.6	Action and limit level for Water Quality	16					
	4.7	Monitoring Schedule for the next reporting period	21					
5	Hyd	rological Characteristics Monitoring	22					
	5.1	Hydrological Characteristics Monitoring Parameters	and					
	metl	hodology	22					
	5.2	Monitoring Equipment	22					
	5.3	Monitoring Locations	22					
	5.4	Monitoring Frequency	24					
	5.5	Monitoring Results and Interpretation	24					
	5.6	Action and limit level for Hydrological Characteristics	24					
	5.7	Monitoring Schedule for the next reporting period	29					
6	Ecol	logical Monitoring of ECA	30					
	6.1	Introduction	30					
	6.2	Ecological Monitoring of ECA	30					
	6.3	Monitoring Results	36					
	6.4	Management Activities	42					
	6.5	Implication of the Survey Findings	42					

	6.6 Recommendations	42
7	Landscape and Visual	43
	7.1 Introduction	43
	7.2 Scope of Monitoring	43
	7.3 Landscape and Visual Monitoring Results	45
	7.4 Audit Schedule	55
8	Action taken in Event of Exceedance	56
9	Construction waste disposal	57
10	Status of Permits and Licenses obtained	59
11	Compliant Log	60
12	Site Environmental Audits	61
	12.1 Site Inspection	61
	12.2 Compliance with legal and Contractual requirement	63
	12.3 Implementation status and effectiveness of the mitigati	on measures
	63	
13	Future Key issues and recommendations	64
14	Conclusions	65

#### LIST OF APPENDIXES

Appendix A: Site Location Appendix B: Key Personal Contact information chart Appendix C: Calibration Certificates for measuring instruments Appendix D: Construction Noise Monitoring Data Appendix E: Water Quality Monitoring Data Appendix F: Hydrological Characteristics Monitoring Data Appendix G: Landscape and Visual Monitoring Photos Appendix H: Implementation status of environmental protection and mitigation measures Appendix I: Construction programme Appendix J: Three month rolling programme Appendix K: Graphical plots of trends of monitored parameters Appendix L: List of recorded vegetation and relative abundance and list of transplanted trees in the Ecological Compensatory Area (ECA) during construction phase in June 2012 Appendix M: Photo Wai Ha River at June 2012 Appendix N: Approved Proposal of Revision for Action/Limit Level Criteria of Water Quality Monitoring

#### **Environmental Pioneers and Solutions Limited**

Appendix O: Site Diary

#### **EXECUTIVE SUMMARY**

This is the sixteenth monthly Environmental Monitoring and Audit (EM&A) Report for the drainage improvement works in Shuen Wan, Tai Po under Drainage Services Department Contract No. DC/2009/22 entitled "Drainage Improvement Works in Shuen Wan, Tai Po – Contract 1". This report concludes the impact monitoring for the activities undertaken during the period from 1<sup>st</sup> of June 2012 to 30<sup>th</sup> June 2012. The major site activities in this reporting period were mainly construction of the proposed transformer room and switch room, construction of the proposed flow meter chamber RM2 and 4.8m Db1200 concrete pipe laying, Removal of sheetpiles of the proposed DN2100 storm relief drain (CH80 to CH140) at Ting Kok Road, Installation of stop log for the proposed intake structure neat the mouth of Wa Ha River and excavation for construction of box culvert (CH55 to CH85).

The Environmental Team (ET) is responsible for the EM&A works required in the EM&A manual (revision 3). Site inspections were carried out on weekly basis to investigate and audit the equipment and work methodologies with respect to pollution control and environmental mitigation. The weekly inspections records and photos taken were kept.

In general, waste management was satisfactory during the reporting period.

Impact monitoring for construction noise was conducted in the reporting period. No exceedance of A/L level was reported.

Furthermore, impact monitoring for water quality was conducted. Total 11 abnormal incidents of water quality criteria were recorded in this reporting month. It was observed that the river was narrowed for construction of mechanical penstocks; and increases the speed of water current. During the reporting period, no construction works were carried out at the river bed. Proper mitigation measures were implemented by contractor to avoid site water release to the Wai Ha river and no particular observation of defective site activities were found causing water contamination; The exceedance of Turbidity and Total Suspended Solid were believed to be mainly attributed by high water flow rate, And, the exceedances were also believed to be attributed by adverse weather. Besides, the recorded levels of turbidity at control station

had also exceeded its baseline limit level, the exceedances recorded at W2 was unlikely to be related to the Project.

No exceedance of A/L level was reported for the monitoring of hydrological characteristics in the reporting period.

The ecological monitoring of the Ecological Compensatory Area (ECA) of the project is conducted. Details of the findings are referred to sections 6.2.

Visual and landscape monitoring has been conducted for the project. Details of the observations are referred to sections 7.3.

There was no complaint, notification of any summons and successful prosecutions against the project received during the reporting period.

Site works proposed to be carried out in the upcoming month at Area A, B & C are refer to section 2.2.

It is expected that noise, air and water quality impacts will be resulted from the works. ET has reminded the contractor to provide environmental pollution control measures wherever necessary and to keep a good environmental management at site practice. The recommended mitigation measures proposed for the project as well as implementation status are refer to section 12.3.

The ET will continue to implement the environmental monitoring & audit programme in accordance with the EM&A Manual (revision 3) and Environmental Permit requirement.

### 1 Introduction

This is the sixteenth monthly Environmental Monitoring and Audit (EM&A) Report for the drainage improvement works in Shuen Wan, Tai Po under Drainage Services Department Contract No. DC/2009/22 entitled "Drainage Improvement Works in Shuen Wan, Tai Po – Contract 1". The site layout plan is shown in Appendix A. The Environmental Team, Environmental Pioneers & Solutions Limited appointed by Kwan Lee – Kuly Joint Venture, prepares the report. The report is to be submitted to the Contractor, the Engineer and the IEC.

This report presents the results of the environmental monitoring of the project activities conducted within the reporting period from 1<sup>st</sup> June 2012 to 30<sup>th</sup> June 2012. This included the noise monitoring, water quality monitoring, hydrological characteristics monitoring, ecological monitoring, visual and landscape monitoring, and regular site inspections once per week for verification of implementation of the mitigation measures as recommended in the Environmental Permit (EP-303/2008) (EP), EM&A Manual (revision 3) and the Contractor's Environmental Management Plan (EMP).

### 2 Construction Stage

#### 2.1 Construction activities in the reporting period

Major activities in the reporting period included the followings:

Area A - Construction of the proposed Transformer room and switch room.

Area A - Internal finishing for Transformer room and switch room.

Area A – laying of E&M ducting for the proposed store room and screen house.

Area A – Installation of sheetpiles for DN2100 storm relief drain (CH80 to 120) at Ting Kok Raod.

Area A – Installation of sheetpiles for DN1200 at the proposed Stormwater Pumping Station.

Area A – Road opening and excavation for the proposed Dn2100 Storm relief drain (CH80 to CH140) at Ting Kok Road.

Area A – Excavation for construction of the proposed discharge chamber.

Area A – Steel reinforcement bars fixing for the proposed discharge chamber.

Area A – Installation of sheetpiles for the proposed intake structure near the mouth of Wai Ha River.

Area B – Installation of sheetpiles for the proposed box culvert (CH141 to 214).

Area B – Excavation for construction of the proposed box culvert (CH 201 to 214).

Area B – Concreting for top slab for the proposed box culvert (CH55 to Ch85)

Area B – laying of blinding layer for the proposed jacking pit.

Area C – Hydroseeding.

Area C – In Maintenance period.

#### 2.2 Construction activities for the coming month

Proposed key construction works in the coming month will include:

Area A (Pumping Station)

- 1. Internal finishing for the proposed transformer room and switch room.
- 2. Construction of screen house and store room.
- 3. Construction of pile cap for the proposed Stormwater Pumping Station at +3.65mPD.

- 4. Construction of flowmeter chamber.
- 5. Construction of DN2100 Storm relief drains (CH80 to CH120) at Ting Kok Road.
- 6. Construction of receiving pit for cross road DN2800 twin pipe.

Area B (Tung Tsz Nursery)

- 1. Construction of box culvert CH126.5 to CH214.5.
- 2. Construction of jacking pit for cross road DN2800 twin pipe

Area C (HCA)

1. In Maintenance Period

#### 2.3 Environmental Status

Appendix A shows the drawing of the project area.

Locations of the monitoring and control stations with environmental sensitive receivers are presented in Section 3.3, 4.3, and 5.3 for noise, water quality, and hydrological characteristics respectively.

## **3** Noise Monitoring

#### 3.1 Monitoring Parameters and Methodology

The construction noise level was measured in terms of the A-weighted equivalent continuous sound pressure level ( $L_{eq}$ ).  $L_{eq (30minutes)}$  was used as the monitoring parameter for the impact monitoring in the time period between 0700 to 1900 hours on normal weekdays. For all other time period,  $L_{eq (5minutes)}$  was employed for comparison with the Noise Control Ordinance (NCO) criteria.

Noise measurement results obtained from each monitoring location were recorded in the Construction Noise Monitoring Data Sheet (Appendix D) immediately after the measurement. As supplementary information for data auditing, statistical results  $L_{10}$  and  $L_{90}$  were also be recorded for reference.

In case of non-compliance with the construction noise criteria, more frequent monitoring, as specified in the Action plan in Table 3.5.2, shall be carried out. This additional monitoring shall be carried out until the recorded noise levels are rectified or proved to be irrelevant to the construction activities.

#### 3.2 Monitoring Equipment

The sound level meters and calibrators comply with the International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1) specifications as referred to in the Technical Memorandum (TM) to the Noise Control Ordinance was deployed as monitoring equipment for noise measurement.

Noise measurement was not be made in the presence of fog, rain, wind with a steady speed exceeding 5ms<sup>-1</sup> or wind with gust exceeding 10ms<sup>-1</sup>. Thus wind speed was checked by the portable wind speed indicator capable of measuring the wind speed in m/s. Table 3.2.1 summarizes the equipment list for noise monitoring

Table 3.2.1 Equipment List for Noise Monitoring

Equipment	Manufacturer & Model No.	Precision Grade	Qty		
Integrated sound	Svantek 949	IEC 651 Type 1	2		
level meter		IEC 804 Type 1			
Windscreen	Microtech gefell model W2	N/A	1		
Acoustical	Svantek SV30A	IEC 942 Type 1	1		
calibrator					
Wind speed	Kestrel K1000	N/A	1		
indicator					
Remarks: Calibration details of the sound level meter is given in Appendix C for					
reference					

#### 3.3 Monitoring Locations

According to the Environmental Monitoring and Audit manual, impact noise monitoring for contract 1 was undertaken at two locations during the construction phase of the project. The proposed monitoring locations are summarized in Table 3.3.1. Figure 3.3.1 shows the Noise Monitoring Locations

Noise measurement at each monitoring location was taken at a point 1m from the exterior of the selected premises and at a height of 1.2m above ground with no disturbance to the dweller and least obstructed view.

Noise	Monitoring	Location
Station		
M1		14, Shuen Wan Chim Uk
AT 1		Joint Village Office for Villages in Shuen Wan,
AL1		Tai Po

Table 3.3.1 Noise Monitoring Locations during Construction Phase

In accordance with the requirements in the EM&A manual (revision 3), weekly impact monitoring was conducted. For the time period between 0700 and 1900 hours on normal weekdays, and noise parameter of  $L_{eq (30minutes)}$  was measured. As if the construction works were carried out during restricted period (i.e. 1900-2300, 2300-0700 of next day and Sundays / general holiday), impact monitoring that comprises 3 consecutive  $L_{eq (5minutes)}$  would be carried out.

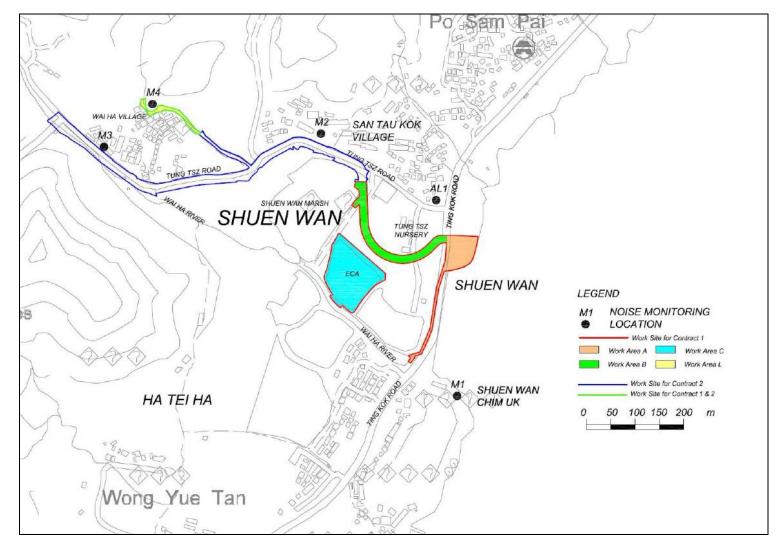


Figure 3.3.1 Impact noise monitoring locations

#### 3.4 Monitoring Results and Interpretation

Relevant details of the noise monitoring results are presented in Table 3.4.1. The results of M1, ranged between 61.2dB (A) and 73.2dB (A), and AL1, ranged between 60.7.4dB (A) and 68.4dB (A), were within the limit levels and therefore, no exceedance was found.

Table 3.4.1 Noise Monitoring Results for the reporting period							
Location	Paramet er	Date*	Time	L <sub>Aeq</sub> dB(A)	Limit dB(A)	Exceedanc e	Weathe r
M1	Leq 30mins	6-Jun-12	12:45	64.9	75	Ν	Sunny
M1	Leq 30mins	13-Jun-12	11:20	73.2	75	Ν	Sunny
M1	Leq 30mins	20-Jun-12	12:45	61.2	75	Ν	Sunny
M1	Leq 30mins	27-Jun-12	14:00	62.1	75	Ν	Sunny
AL1	Leq 30mins	6-Jun-12	13:40	60.7	75	Ν	Sunny
AL1	Leq 30mins	13-Jun-12	10:45	66.3	75	Ν	Sunny
AL1	Leq 30mins	20-Jun-12	13:20	63.5	75	Ν	Sunny
AL1	Leq 30mins	27-Jun-12	14:35	68.4	75	Ν	Sunny

Remarks: Raw datasheet for noise monitoring are attached in Appendix D for reference.

# 3.5 Action and Limit level for Construction noise

The Action and Limit (A/L) levels for construction noise are defined in Table 3.5.1. Should non-compliance of the criteria occur, action in accordance with the Action Plan in Table 3.5.2 should be carried out.

There was no exceedance recorded in the reporting period.

Time Period	Action Level	Limit Level		
0700 – 1900 hours on	When one documented	75dP(A)		
normal weekdays	complaint is received	75dB(A)		
Remarks: I	f works are to be carried	out during restricted		
hours, the conditions stipulated in the construction				
permit issued by the Noise Control Authority have				
followed.				

Table 3.5.1 Action and Limit Levels for Construction noise

# **3.6** Monitoring Schedule for the next reporting period

Noise monitoring schedule is proposed to be carried out on 5<sup>th</sup>, 11<sup>th</sup>, 18<sup>th</sup> and 25<sup>th</sup> of July 2012.

EVENT	ET Leader	IEC	ER	CONTRACTOR
Action	1. Notify IEC and	1. Review the	1. Confirm receipt	1. Submit noise
Level	Contractor.	analysed	of notification	mitigation
	2. Carry out	results	of	proposals to
	investigation.	submitted by	failur	IEC.
	3. Report the results	the ET.	e in writing.	2. Implement
	of investigation	2. Review the	2. Notify	noise
	to the IEC, ER	proposed	Contractor.	mitigation
	and Contractor.	remedial	3. Require	proposals.
	4. Discuss with the	measures by the	Contractor	
	Contractor and	Contractor and	to propose remedial	
	formulate	advise the ER	measures for	
	remedial	accordingly.	the analysed	
	measures.	3. Supervise the	noise problem;	
	5. Increase	implementation	4. Check remedial	
	monitoring	of remedial	measures are	
	frequency to	measures.	properly	
	check mitigation		implemented.	
	effectiveness.			

Table 3.5.2 Event /	<b>Action Plan</b>	for Construction	n Noise
	1 ionon i nun		1110100

<b></b>				<b>ر</b>
Limit	1. Notify IEC, ER,	1. Discuss	1. Confirm	1. Take immediate
Level	EPD and	amongst ER,	receipt of	action to avoid
	Contractor.	ET, and	notification of	f
	2. Identify source.	Contractor on	2. Notify	urther
	3. Repeat	the potential	Contractor.	exceedance.
	measurements to	remedial	3. Require	2. Submit
	confirm findings.	actions.	Contractor	proposals for
	4. Increase	2. Review	4. Check remedial	remedial
	monitoring	Contractor's'	measures	actions to IEC
	frequency.	remedial	properly	within 3
	5. Carry out	actions	implemented.	working days
	analysis of	whenever	5. If exceedance	of notification.
	Contractor's	necessary to	continues,	3. Implement the
	working	assure their	consider what	agreed
	procedures to	effectiveness	portion of the	proposals.
	determine	and advise	work is	4. Resubmit
	possible	the	responsible	proposals if
	mitigation to be	ER	and instruct the	problem still
	implemented.	accordingly.	Contractor to	not under
	6. Inform IEC, ER	3. Supervise the	stop that	control.
	and EPD the	implementation	portion of work	5. Stop the
	causes and	of remedial	until the	relevant portion
	actions taken for	measures.	exceedance is	of works as
	the exceedances.		abated.	determined by
	7. Assess			the ER until the
	effectiveness of			exceedance is
	Contractor's			abated.
	remedial actions			
	and keep IEC,			
	EPD and ER			
	informed of the			
	results.			
	8. If exceedance			
	stops, cease			
	additional			
	monitoring.			

# 4 Water Monitoring

#### 4.1 Water Quality Monitoring Parameters and methodology

Turbidity in Nephelometric Turbidity Unit (NTU), and Dissolved Oxygen (DO) in mg/L, temperature, and pH measurements were in-situ measurements and suspended solids measurements were performed by a HOKLAS accredited laboratory using recommended reference method APHA 2540D.

#### 4.2 Monitoring Equipment

Turbidity, DO, Salinity, pH and temperature was measured by an instrument complied with the following requirements:

The instrument is a portable as well as weatherproof multimeter complete with cable and uses a DC power source. It is capable of measuring:

- A turbidity between 0-800NTU;
- A dissolved Oxygen level in the range of 0-20mg/L and 0-200% saturation;
- A temperature of  $0-50^{\circ}$ C;
- Salinity in the range of 0-40ppt;
- pH in the range of 0-14.

The measurements were performed by a portable and weatherproof multi-meter, model TOA-DKK WQC-24. The equipment was calibrated and verified by certified laboratory every 3 months to ensure they perform to the same level of accuracy as stated in the manufacturer's specification. Detailed calibration records of the multi-meter were shown in Appendix C for reference

Suspended solids were determined by the water samples collected from the monitoring locations for further analysis in accredited HOKLAS laboratory. Water samples were contained by polythene bottles, packed in ice (cooled in 4°C without frozen) and delivered to the laboratory for analysis as soon as possible after collection.

#### 4.3 Monitoring Locations

In accordance with the EM&A Manual (revision 3), monitoring stations for contract 1 were established at two locations, which are summarized in Table 4.3.1.

Monitoring Station	Location	Coordinates
W1	Between the Shuen Wan Marsh	E:839301
vv 1	and ECA	N:836386
wo	Between Tolo Harbour and	E:839542
W2	Proposed Penstock	N:836184

 Table 4.3.1 – Water Quality Monitoring Stations

As illustrated in Figure 4.3.1, W1 served as the control station while W2 was the monitoring location of water quality.

According to the approved proposal of revision for Action/Limit Level Criteria of Water Quality Monitoring, two reference points (C1 & C2) were added.

Should the water quality parameters monitoring results at the monitoring station W2 exceed the water quality criteria, the water quality monitoring data of two reference points (C1 and C2) will be used as the supplementary information. The monitoring data of C1 should be used for comparison with the monitoring data of W2 that taken at flood tide; and the monitoring data of C2 should be used for comparison with the monitoring data of W2 that taken at ebb tide. The comparison of water quality between W2 and C1 at flood tide and between W2 and C2 at ebb tide is to prove whether influence of water quality is caused by the construction activities. The details of C1 and C2 are presented in **Appendix N**.

In accordance with the EM&A Manual (revision 3), measurements shall be taken at 3 water depths, namely, 1m below water surface, mid-depth and 1m above river bed, except where the water depth less than 6m, the mid-depth station may be omitted. Should the water depth be less than 3m, only the mid-depth station will be monitored. As the depth of water was less than 3m, water samples were collected at mid-depth of each proposed monitoring stations for measurements and sample collection.

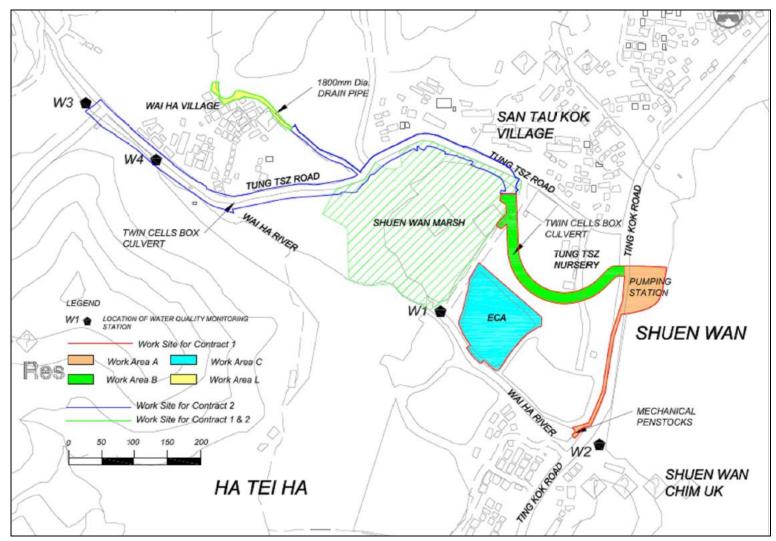


Figure 4.3.1 Water Quality Monitoring Locations

#### 4.4 Monitoring Frequency

Impact water quality monitoring for each monitoring station were performed at mid-flood or mid-ebb tides for 3 days per week during the course of the construction river works.

Monitoring were carried out on 1<sup>st</sup>, 4<sup>th</sup>, 6<sup>th</sup>, 8<sup>th</sup>, 11<sup>th</sup>, 13<sup>th</sup>, 15<sup>th</sup>, 18<sup>th</sup>, 20<sup>th</sup>, 22<sup>nd</sup>, 25<sup>th</sup>, 27<sup>th</sup> and 29<sup>th</sup> of June 2012.

#### 4.5 Monitoring Results and Interpretation

Water quality monitoring was carried out thirteen times in this reporting month. Detailed on-site measurements are shown in Appendix E. Table 4.5.1 presents consolidated results throughout the reporting month.

There were 11 abnormal incidents of water quality limits (Dissolved Oxygen, Suspended Solid and Turbidity) were recorded in this reporting month according to the established action and limit levels. ET has arranged site investigations for the abnormal incidents and it was observed that the river was narrowed for construction of mechanical penstocks; and increases the speed of water current. No construction activities were carried out at the river bed during the reporting period. Proper mitigation measures was implemented by contractor to avoid site water release to the Wai Ha river and no particular observation of defective site activities were found causing water contamination; The exceedance of Turbidity and Total Suspended Solid were believed to be mainly attributed by high water flow rate and adverse weather. Besides, the recorded levels of turbidity at control station had also exceeded its baseline limit level. Therefore, the exceedances recorded at W2 were unlikely to be related to the Project.

The water condition of Wai Ha River is presented in photo attached in Appendix N.

Details information of these incidents was presented in Section

	Average of M	Average of Monitoring Results					
	Temperature (°C)	Turbidity (NTU)	рН	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Suspended Solids (mg/L)	
W1	28.9	13.66	7.36	5.91	73	9.65	
W2	25.96	11.28	7.4	7.12	86	8.65	
C1	29.2	4.9	7.67	7.4	92	4.8	
C2	31.15	2.9	8.35	3.38	45	3	

Table 4.5.1 Summary of Water Quality Monitoring Results of this reporting month

Table 4.5.2 Interpretations of abnormal incidents recorded in the reporting month

Date	Tide	Parameter	Interpretations
1/6/2012	Ebb	Turbidity	Incident was regarded as high river flow rate since
1/0/2012	EUU	Turblatty	river narrowed was observed.
4/6/2012	Ebb	Turbidity	Incident was regarded as high river flow rate since
4/0/2012	EUU	SS	river narrowed was observed.
6/6/2012	The	Turbidity	Incident was regarded as high river flow rate since
6/6/2012	Ebb	SS	river narrowed was observed.
11/6/2012		Turbidity	
11/6/2012	Flood	DO	Natural fluctuation
12/6/2012	<b>T</b> 11	Turbidity	
13/6/2012	Ebb	SS	Incident was regarded as adverse weather
15/6/2012	Ebb	Turbidity	Incident was regarded as high river flow rate since
13/0/2012	LUU	Turblatty	river narrowed was observed.
19/6/2012	<b>D1-1</b>	Turbidity	Muddy water from upstream because of adverse
18/6/2012	Ebb	SS	weather conditions
20/6/2012	Ebb	Turbidity	Incident was regarded as high river flow rate since
20/0/2012	LUU	Turblatty	river narrowed was observed.
22/6/2012	Ebb	Turbidity	Incident was regarded as high river flow rate since
22/0/2012	LUU	SS	river narrowed was observed.
27/6/2012	Flood	Turbidity	Natural fluctuation
29/6/2012	Ebb	Turbidity	Incident was regarded as high river flow rate since
29/0/2012		Tarotarty	river narrowed was observed.

The site activities of June 2012 were shown in Appendix O.

#### 4.6 Action and limit level for Water Quality

Based on the criteria stipulated in EM&A manual (revision 3) and baseline water quality monitoring data obtained, the A/L levels are shown in Table 4.6.1, Table 4.6.2. The A/L levels for W1 were ignored since W1 functions as the control station for contract 1. If the water quality monitoring results at any impact stations exceeded the criteria, the actions in accordance with the Event and Action Plan in Table 4.6.3 should be taken.

Table 4.6.1 Action and Limit Levels for Water Quality at All Monitoring Stations

Parameters	Action	Limit
DO in mg/L	5 percentile of baseline data	4 mg/L
рН	N/A	6.0 - 9.0
SS in mg/L	95 percentile of baseline data or 120% of upstream control station's SS	99 percentile of baseline data or 130% of upstream control station's SS
Turbidity in NTU	95 percentile of baseline data or 120% of upstream control station's Turbidity	<ul><li>99 percentile of baseline data or</li><li>130% of upstream control</li><li>station's Turbidity</li></ul>

Table 4.6.2 Action and Limit Levels for Water Quality at All Monitoring Stations

	Monitoring Stations (Flood Tide)				Monitoring Stations (Ebb Tide)			
Parameters	W1		W2		W1		W2	
Farameters	Action	Limit	Action Limit		Action	Action Limit		Limit
	Level	Level	Level	Level	Level	Level	Level	Level
DO (mg/L)	8.07	4.0	7.81	4.0	7.12	4.0	6.77	4.0
pН	N/A	6.0-9.0	N/A	6.0-9.0	N/A	6.0-9.0	N/A	6.0-9.0
SS (mg/L)	7.7	8.1	7.7	8.6	10.5	10.9	9.4	9.9
Turbidity (NTU)	4.9	5.3	1.7	1.8	4.2	4.7	3.0	3.5

Remarks:

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

For SS and turbidity, non-compliance of the water quality limits occurs when

monitoring result is higher than the limits.

Event	ET Leader	IEC	ER	Contractor
ACTION LEV	EL			
Action level	1. Repeat in-situ	1. Discuss	1. Discuss	1. Inform Engineer
being	measurements to	mitigation	proposed	and confirm in
exceeded by	confirm findings;	measures with	mitigation	writing
one sampling	2. Identify reasons for	ET, Engineer	measures with	n notification of the
day	non-compliance	and Contractor;	IEC, ET and	non-compliance;
	and source(s) of	2. Review	Contractor;	2. Rectify
	impact;	proposals on	2. Make	unacceptable
	3. Inform IEC,	mitigation	agreement or	practice;
	Contractor and	measures	mitigation	3. Check all plant
	Engineer;	submitted by	measures to	and equipment;
	4. Check monitoring	Contractor and	be	4. Consider changes
	data, all plant,	advise the	implemented;	in working
	equipment and	Engineer	3. Assess	methods;
	Contractor's	accordingly;	effectiveness	5. Discuss with ET,
	working methods;	3. Assess	of	IEC and Engineer
	5. Discuss mitigation	effectiveness of	implemented	and propose
	measures with	implemented	mitigation	mitigation
	IEC, Engineer and	mitigation	measures.	measures to IEC
	Contractor;	measures.		and Engineer
	6. Ensure mitigation			within three
	measures are			working days;
	implemented.			6. Implement
	7. Repeat			agreed mitigation
	measurement on			measures.
	next day of			
	exceedance.			

Table 4.6.3 Event and action Plan for Water Quality

Contract No. DC/2009/22 – Drainage Improvement in Shuen Wan, Tai Po – Contract 1 Monthly EM&A Report for June 2012

Г				
Action level	1. Repeat in-situ	1. Discuss	1. Discuss 1.	Inform Engineer
being	measurements to	mitigation	proposed	and confirm in
exceeded by	confirm findings;	measures with	mitigation	writing
more than	2. Identify reasons for	ET, Engineer	measures with	notification of the
two	non-compliance	and Contractor;	IEC, ET and	non-compliance;
consecutive	and source(s) of	2. Review	Contractor; 2.	Rectify
sampling	impact;	proposals on	2. Make	unacceptable
days	3. Inform IEC,	mitigation	agreement on	practice;
	Contractor and	measures	mitigation 3.	Check all plant
	Engineer;	submitted by	measures to	and equipment;
	4. Check monitoring	Contractor and	be 4.	Consider changes
	data, all plant,	advise the	implemented;	in working
	equipment and	Engineer	3. Assess	methods;
	Contractor's	accordingly;	effectiveness 5.	Discuss with ET,
	working methods;	3. Assess	of	IEC and Engineer
	5. Discuss mitigation	effectiveness of	implemented	and propose
	measures with	implemented	mitigation	mitigation
	IEC, Engineer and	mitigation	measures.	measures to IEC
	Contractor;	measures.		and Engineer
	6. Ensure mitigation			within three
	measures are			working days;
	implemented.		6.	Implement
	7. Prepare to increase			agreed mitigation
	the monitoring			measures.
	frequency to			
	daily;			
	8. Repeat			
	measurement on			
	next day of			
	exeedance.			
LIMIT LEV	EL		· · · · · · · · · · · · · · · · · · ·	
Limit level	1. Repeat in-situ	1. Discuss	1. Discuss 1.	Inform Engineer
being	measurements to	mitigation	proposed	and confirm in
exceeded by	confirm findings;	measures with	mitigation	writing
one	2. Identify reasons for	ET, Engineer	measures with	notification of the
sampling	non-compliance	and Contractor;	IEC, ET and	non-compliance;
day	and source(s) of	2. Review	Contractor; 2.	Rectify

· · · · · · · · · · · · · · · · · · ·			1	
	impact;	proposals on	2. Request	unacceptable
	3. Inform EPD, IEC,	mitigation	Contractor to	practice;
	Contractor and	measures	critically 3.	Check all plant
	Engineer;	submitted by	review the	and equipment;
	4. Check monitoring	Contractor and	working 4.	Consider changes
	data, all plant,	advise the	methods;	in working
	equipment and	Engineer	3. Make	methods;
	Contractor's	accordingly;	agreement on 5.	Discuss with ET,
	working methods;	3. Assess	mitigation	IEC and Engineer
	5. Discuss mitigation	effectiveness of	measures to	and propose
	measures with IEC,	implemented	be	mitigation
	Engineer and	mitigation	implemented;	measures to IEC
	Contractor;	measures.	4. Assess	and Engineer
	6. Ensure mitigation		effectiveness	within three
	measures are		of	working days;
	implemented;		implemented 6.	Implement
	7. Increase the		mitigation	agreed mitigation
	monitoring		measures.	measures.
	frequency to daily			
	until no exceedance			
	of Limit level.			
Limit level	1. Repeat in-situ	1. Discuss	1. Discuss 1.	Inform Engineer
being	measurements to	mitigation	proposed	and confirm in
exceeded by	confirm findings;	measures with	mitigation	writing
more than	2. Identify reasons for	ET, Engineer	measures with	notification of the
two	non-compliance and	and Contractor;	IEC, ET and	non-compliance;
consecutive	source(s) of impact;	2. Review	Contractor; 2.	Rectify
sampling	3. Inform EPD, IEC,	proposals on	2. Request	unacceptable
days	Contractor and	mitigation	Contractor to	practice;
_	Engineer;	measures	critically 3.	Check all plant
	4. Check monitoring	submitted by	-	and equipment;
	data, all plant,	Contractor and		Consider changes
	equipment and	advise the	-	in working
	Contractor's	Engineer	3. Make	methods;
	working methods;	accordingly;	agreement on 5.	Discuss with ET,
	5. Discuss mitigation		mitigation	IEC and Engineer
	measures with IEC,	effectiveness of	-	and propose
	,		L I	* *

Contract No. DC/2009/22 – Drainage Improvement in Shuen Wan, Tai Po – Contract 1 Monthly EM&A Report for June 2012

	1	• • • •	1	•,• ,•
Engine		implemented	be	mitigation
Contra	ctor;	mitigation	implemented;	measures to IEC
6. Ensure	mitigation	measures.	4. Assess	and Engineer
measur	res are		effectiveness	within three
implen	nented.		of	working days;
7. Increas	e the		implemented 6	5. Implement
monito	ring		mitigation	agreed mitigation
freque	ncy to daily		measures;	measures;
until r	o exceedance		5. Consider and 7	. As directed by
of Li	nit level for		if necessary	the Engineer,
two	consecutive		instruct	slow down or
days.			Contractor to	stop all or part of
			slow down or	the construction
			to stop all or	activities until no
			part of the	exceedance of
			construction	Limit level.
			activities until	
			no exceedance	
			of Limit	
			Level.	

# 4.7 Monitoring Schedule for the next reporting period

Water quality monitoring schedule is proposed to be carried out on 3<sup>rd</sup>, 5<sup>th</sup>, 7<sup>th</sup>, 9<sup>th</sup>, 11<sup>th</sup>, 13<sup>th</sup>, 16<sup>th</sup>, 18<sup>th</sup>, 20<sup>th</sup>, 23<sup>rd</sup>, 25<sup>th</sup>, 27<sup>th</sup> and 30<sup>th</sup> of July 2012.

# 5 Hydrological Characteristics Monitoring

# 5.1 Hydrological Characteristics Monitoring Parameters and methodology

Impact monitoring of hydrological characteristics was undertaken to establish hydrological characteristics of sections of Wai Ha River adjacent to Drainage Improvement Works in Shuen Wan, Tai Po.

The hydrological characteristics of sections of Wai Ha River were measured by water flow rate and depth.

### 5.2 Monitoring Equipment

Monitoring performed by a portable echo-sounder, model Greyline Stingray. The equipment was calibrated and verified by certified laboratory or manufacturer every year to ensure they perform to the same level of accuracy as stated in the manufacturer's specification.

Calibration Certificate of the multi-meter is given in Appendix C.

#### 5.3 Monitoring Locations

In accordance with the EM&A Manual (revision 3), monitoring stations for contract 1 were established at two locations and summarized in Table 5.3.1.

Monitoring Station	Location	Coordinates
H1	Between the Shuen Wan Marsh	E:839301
	and ECA	N:836386
H2	Route to Sam Kung Temple	E:839163
		N:836433

Table 5.3.1 – Water Quality Monitoring Stations

As illustrated in Figure 5.3.1, H2 served as the control station while H1 was the monitoring location of hydrological characteristics.

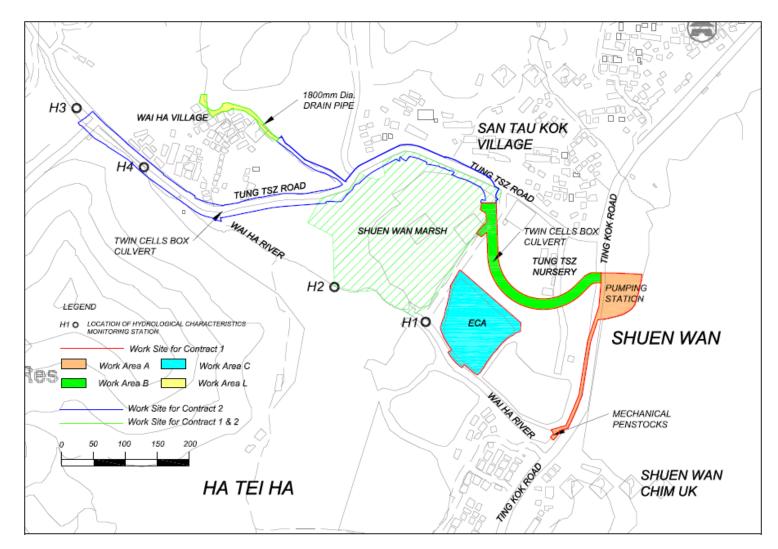


Figure 5.3.1 Hydrological Characteristics Monitoring Locations

#### 5.4 Monitoring Frequency

Hydrological characteristics monitoring for each monitoring station were performed at mid-flood and mid-ebb tides for once per week during the course of the construction river works.

Monitoring was carried out on 1<sup>st</sup>, 8<sup>th</sup>, 15<sup>th</sup>, 22<sup>nd</sup> and 29<sup>th</sup> of June 2012.

#### 5.5 Monitoring Results and Interpretation

Hydrological characteristics monitoring was carried out four times in this reporting period. The monitoring results are summarized in Table 5.5. All results were within the action and limit levels, therefore, no exceedance was found.

	Average of Monitoring Results				
Water Depth (m)Water Flow Rate (m³/s)					
H1(Floor)	~0.210*	0.090			
H1(Ebb)	~0.252*	0.130			
H2(Floor)	~0.180*	0.452			
H2(Ebb)	~0.192*	0.799			

 Table 5.5
 Summary of Water Quality Monitoring Results

\*: Since the water levels were too low for the depth detector to determine, tape measure was instead adopted for estimation.

Details of the monitoring data were presented in Appendix F.

#### 5.6 Action and limit level for Hydrological Characteristics

The Action and Limit levels for all monitoring stations are summarized in Table 5.6.1, which would be applied for compliance assessment of hydrological characteristics for this project. If the hydrological characteristics monitoring results at any impact stations exceeded the criteria, the actions in accordance with the Event and Action Plan in Table 5.6.2 should be taken.

Parameters	Action	Limit		
Water Depth at	0.08	0.06		
Mid-flood (m)	0.08	0.08		
Water Depth at	0.08	0.06		
Mid-ebb (m)	0.08			
Water Flow	120% of control station's	140% of control station's water		
Water Flow Rate $(m^3/s)$	water flow rate on the same	flow rate on the same day of		
Kate (III /8)	day of measurement	measurement		

Table 5.6.1 Action and Limit Levels for Hydrological Characteristics at All Monitoring Stations

Table 5.6.2 Event and action Plan for Hy	ydrological Characteristics
--	-----------------------------

Event	ЕТ	Leader	IEC	ER	Contractor
ACTION LE	VEI				
Action	1.	Repeat in-situ	1. Discuss	1. Discuss	1. Inform Engineer
level being	5	measurements to	mitigation	proposed	and confirm in
exceeded		confirm findings;	measures with	mitigation	writing
by one	2.	Identify reasons for	ET, Engineer	measures	notification of
sampling		non-compliance and	and Contractor;	with IEC, ET	T the
day		source(s) of impact;	2. Review	and	non-compliance;
	3.	Inform IEC,	proposals on	Contractor;	2. Rectify
		Contractor and	mitigation	2. Make	unacceptable
		Engineer;	measures	agreement or	n practice;
	4.	Check monitoring	submitted by	mitigation	3. Check working
		data, Contractor's	Contractor and	measures to	methods and
		working methods	advise the	be	any excavation
		and any excavation	Engineer	implemented	; works or
		works or dewatering	accordingly;	3. Assess	dewatering
		processes;	3. Assess	effectiveness	processes;
	5.	Discuss mitigation	effectiveness of	of	4. Consider
		measures with IEC,	implemented	implemented	changes in
		Engineer and	mitigation	mitigation	working
		Contractor;	measures.	measures.	methods and
	6.	Ensure mitigation			plans;
		measures are			5. Discuss with ET,

		implemented.				IEC and
	7.	-				
	/.	Repeat measurement				C
		on next day of				propose
		exceedance.				mitigation
						measures to IEC
						and Engineer
						within three
						working days;
					6.	Implement
						agreed
						mitigation
						measures.
Action	1.	Repeat in-situ		1. Discuss	1.	e
level being	•	measurements to	e	proposed		and confirm in
exceeded		confirm findings;	measures with	e		writing
by more	2.	Identify reasons for	e e			notification of
than two		non-compliance and		with IEC, ET		the
consecutive		source(s) of impact;	2. Review	and		non-compliance;
sampling	3.	Inform IEC,	proposals on	,	2.	5
days		Contractor and	mitigation	2. Make		unacceptable
		Engineer;	measures	agreement on		practice;
	4.	Check monitoring	•	mitigation	3.	Check working
		data, Contractor's		measures to		methods and
		working methods				any excavation
		and any excavation	-	implemented;		works or
		works or dewatering	•••	3. Assess		dewatering
		processes;	3. Assess	effectiveness		processes;
	5.	Discuss mitigation			4.	Consider
		measures with IEC,	implemented	implemented		changes in
		Engineer and	e	mitigation		working
		Contractor;	measures.	measures.		methods and
	6.	Ensure mitigation				plans;
		measures are			5.	Discuss with ET,
		implemented.				IEC and
	7.	Prepare to increase				Engineer and
		the monitoring				propose
		frequency to daily;				mitigation

	8.	Repeat measurement			measures to IEC
	0.	-			
		•			e
		exeedance.			within three
					working days;
					6. Implement
					agreed
					mitigation
					measures.
LIMIT LE	VE	L			
Limit level	1.	Repeat in-situ	1. Discuss	1. Discuss	1. Inform Engineer
being		measurements to	mitigation	proposed	and confirm in
exceeded		confirm findings;	measures with	mitigation	writing
by one	2.	Identify reasons for	ET, Engineer	measures	notification of the
sampling		non-compliance and	and Contractor;	with IEC, ET	non-compliance;
day		source(s) of impact;	2. Review	and	2. Rectify
	3.	Inform AFCD, IEC,	proposals on	Contractor;	unacceptable
		Contractor and	mitigation	2. Request	practice;
		Engineer;	measures	Contractor to	3. Check working
	4.	Check monitoring	submitted by	critically	methods and any
		data, and	Contractor and	review the	excavation works
		Contractor's	advise the	working	or dewatering
		working methods	Engineer	methods;	processes;
		and any excavation	accordingly;	3. Make	4. Consider changes
		works or dewatering	3. Assess	agreement on	in working
		processes;	effectiveness of	mitigation	methods and
	5.	Discuss mitigation	implemented	measures to	plans;
		measures with IEC,	mitigation	be	5. Discuss with ET,
		Engineer and	measures.	implemented;	IEC and Engineer
		Contractor;		4. Assess	and propose
	6.	Ensure mitigation		effectiveness	mitigation
		measures are		of	measures to IEC
		implemented;		implemented	and Engineer
	7.	Increase the		mitigation	within three
		monitoring		measures.	working days;
		frequency to daily			6. Implement agreed
		until no exceedance			mitigation
		of Limit level.			measures.

Contract No. DC/2009/22 – Drainage Improvement in Shuen Wan, Tai Po – Contract 1 Monthly EM&A Report for June 2012

Limit level 1.	Repeat in-situ	1. Discuss	1.	Discuss	1.	Inform Engineer
being	measurements to	mitigation		proposed		and confirm in
exceeded	confirm findings;	measures with		mitigation		writing
by more 2.	Identify reasons for	ET, Engineer		measures		notification of the
than two	non-compliance and	and Contractor;		with IEC, ET		non-compliance;
consecutive	source(s) of impact;	2. Review		and	2.	Rectify
sampling 3.	Inform AFCD, IEC,	proposals on		Contractor;		unacceptable
days	Contractor and	mitigation	2.	Request		practice;
	Engineer;	measures		Contractor to	3.	Check working
4.	Check monitoring	submitted by		critically		methods and any
	data, and	Contractor and		review the		excavation works
	Contractor's working	advise the		working		or dewatering
	methods and any	Engineer		methods;		processes;
	excavation works or	accordingly;	3.	Make	4.	Consider changes
	dewatering processes;	3. Assess		agreement on		in working
5.	Discuss mitigation	effectiveness of		mitigation		methods and
	measures with IEC,	implemented		measures to		plans;
	Engineer and	mitigation		be 5	5.	Discuss with ET,
	Contractor;	measures.		implemented;		IEC and Engineer
6.	Ensure mitigation		4.	Assess		and propose
	measures are			effectiveness		mitigation
	implemented.			of		measures to IEC
7.	Increase the			implemented		and Engineer
	monitoring frequency			mitigation		within three
	to daily until no			measures;		working days;
	exceedance of Limit		5.	Consider and	6.	Implement agreed
	level for two			if necessary		mitigation
	consecutive days.			instruct		measures;
				Contractor to	7.	As directed by the
				slow down or		Engineer, slow
				to stop all or		down or stop all
				part of the		or part of the
				construction		construction
				activities		activities until no
				until no		exceedance of
				exceedance		Limit level.
				of Limit		

	Level.	
		L

# 5.7 Monitoring Schedule for the next reporting period

Hydrological characteristics monitoring schedule is proposed to be carried out on  $7^{\text{th}}$ ,  $13^{\text{th}}$ ,  $20^{\text{th}}$  and  $27^{\text{th}}$  of July 2012.

#### 6 Ecological Monitoring of ECA

#### 6.1 Introduction

The Ecological Monitoring of the Ecological Compensatory Area (ECA) of the Project is conducted to fulfill Clauses 5.2 and 5.4 of EP-303/2008 and the monitoring requirements in accordance with Section 6 of the approved updated EM&A Manual (approved by EPD on 7th November 2011) and the approved updated Habitat Creation Plan (HCP) (approved by EPD on 8th December 2011) of the Project.

This report documents monitoring findings on the site inspections in the ECA undertaken in June 2012.

# 6.2 Ecological Monitoring of ECA

#### 6.2.1 Scope of Monitoring

A specific ecological monitoring programme and ecological monitoring requirements of the ECA are detailed in Section 7 of the approved Habitat Creation Plan (HCP) and Section 6.18 of the approved updated Environmental Monitoring & Audit (EM&A) Manual of the Project.

During the construction phase of the ECA, monthly monitoring of vegetation health (including the planted, retained and transplanted trees and shrubs, and the proposed planting) and weekly site inspections should be undertaken. Monthly monitoring of in situ water quality will be carried out once the ECA is filled with water from the nearby Wai Ha River.

During the 12-month establishment phase of the ECA, monitoring of habitat types, vegetation cover, intertidal fauna and other fauna (including avifauna, herpetofauna, fish, odonates and butterflies) will be undertaken on a six-monthly basis, while the vegetation health and in situ water quality will be monitored monthly. Site inspections will be conducted twice per month.

#### 6.2.2 Monitoring Methodology during the construction phase

#### Monitoring of vegetation health

Monthly monitoring of the health condition of the retained and transplanted trees and vegetation will be conducted. Following planting of vegetation in the ECA, monitoring of the growth and health conditions of the planted vegetation in the created habitats (i.e. brackish marsh, mangrove, woodland areas of planted trees and shrubs, and wooded areas with retained and (trans)planted trees) within the ECA is to be conducted during the construction and establishment phases. General health and growth status of the retained trees within the ECA are recorded and recommendation of appropriate tree care will be made to the maintenance party.

All planted, retained and transplanted trees and shrubs will be surveyed to update their growth and health status. Any signs of pests and/ or poor growth of planted, retained and transplanted trees and shrubs will be recorded. Appropriate treatment or removal of pests will be implemented if necessary. Supplemental planting will be arranged if needed.

A fixed transect line will be run through the wetland habitats (including intertidal mudflat, brackish marsh and mangrove) and the general growth and health of the planted vegetation along both sides of the transect will be inspected and evaluated. Any adverse plant health, such as dieback of planted species, will be noted and supplemental planting will be arranged. Any signs of pests which cause adverse health problems to the plants will be identified and recorded.

#### Monitoring of water quality

Since there will be free movement of brackish river water in and out of the ECA, water quality in the ECA will be largely dependent on water quality in the river. In this open system it is not appropriate to set specific targets for water quality parameters. Nevertheless, baseline data on water quality, in particular seasonal patterns, would potentially be useful long term management of the ECA. Once the ECA is filled with water during the construction phase of the ECA, in-situ water quality will be measured once per month during both Construction and Establishment Phases. Parameters, including temperature, pH, salinity, turbidity and dissolved oxygen, will be monitored. Additional measurements of these parameters should also be made by the ecologist in response to unexpected events (e.g. algal blooms or fish die-offs) in order to inform remedial

management measures.

#### Site inspection

Weekly site inspection will be carried out by the Wetland Specialist to update the status and monitor the progress of the construction of the ECA. Any adverse ecological impact resulting from the construction should be identified and remedial action should be undertaken.

#### 6.2.3 Monitoring Methodology during the establishment phase

#### Monitoring of vegetation health

Same monitoring methodology as in Section 2.2.

#### Monitoring of water quality

Same monitoring methodology as in Section 2.2.

#### Site inspection

Site inspection during the establishment phase of the ECA will be conducted twice per month for monitoring the health and condition of the wetland during the establishment period. Any unsatisfied health and habitat criteria of the wetland will be identified and remedial action should be recommended.

Twice monthly establishment phase monitoring has been commenced in November 2011.

Monitoring of habitat types and vegetation cover

Monitoring of habitat types and vegetation cover will be conducted twice during the 12 month Establishment Phase of the ECA; specifically at the end of the dry season and the end of the subsequent wet season after completion of the planting work. The monitoring aims to determine the exact extent of the wetland habitats and vegetation cover (i.e. open water, intertidal mudflat, brackish marsh and mangrove) during the establishment period and control any excessive colonization of unwanted vegetation specific habitats.

#### Monitoring of intertidal fauna

As the ECA largely comprises an intertidal mudflat, monitoring for intertidal fauna will be conducted. Recolonisation will take time: accordingly monitoring will be tentatively conducted in February 2012 and August 2012. As the important aim of monitoring of intertidal fauna in the ECA is to examine the diversity of the colonising community, a qualitative manner by walk-through survey (i.e. walk through the site with species and relative abundance recorded) will be conducted. Core sampling will also be conducted at different levels to record infauna. Three samples at each level (low, middle and high) will be conducted at low tide.

#### Monitoring of other fauna

Monitoring of other faunal groups, including birds, herpetofauna, fish, odonate and butterflies, will be conducted. Monitoring of any aquatic invertebrates will be covered by the intertidal surveys. Since the site will be intertidal, it is considered unsuitable for local amphibian species. Therefore, no nighttime survey for detection of mating calls of amphibians is necessary and only daytime surveys are needed. Monitoring of these faunal groups will be conducted on a walk-through survey basis. The surveyor will walk through the site, recording and counting the fauna observed. Microhabitats for herpetofauna will be actively searched. This monitoring will be conducted twice within the establishment period (once in the dry season (tentatively in February 2012) and once in the wet season (tentatively in August 2012).

Monitoring of wild mammals is not necessary in this case; however, if signs of wild mammals are observed (such as footprints) during any field surveys, these will be recorded.

#### 6.2.4 Monitoring time and weather condition

Site inspection and monitoring of vegetation, fauna groups and water quality should be carried out during day-time with calm weather. Monitoring of birds should commence within one hour of sunrise, when is the peak activity period for birds. Other fauna groups shall be undertaken during the warmer part of the monitoring day.

#### 6.3 Monitoring Results

# 6.3.1 Description of vegetation monitoring in Ecological Compensatory Area

The vegetation health monitoring during the construction and establishment period required to be conducted on a monthly basis in the Ecological Compensatory Area (ECA). The growth and health of the recorded vegetation was inspected in 26 June 2012 and detail vegetation information was shown in **Appendix L**.

Monitoring of transplanted trees were carried out in 26 June 2012 and continued since the first transplantation (**Appendix L(B**)).

Three specimens of protected species *Pavetta hongkongensis* were transplanted to ECA. Weekly monitoring was carried out since transplantation on 20<sup>th</sup> December 2011.

All trees surveyed were evaluated according to the following criteria (Webb 1991)

• Trees of good form, moderate to large size and in good health are classified as **good**;

• Trees of reasonable form, with few or no visible defects or health problems are classified as being **fair**;

• Trees that are of poor form, badly damaged or clearly suffering from decay die back or the effects of very heavy vine growth are classified as **poor**.

#### 6.3.2 Description of vegetations and remarks

Vegetation monitoring in the ECA was carried out on site and growth/health conditions were recorded.

A total of 23 plant species were retained or newly re-colonized within ECA in which 6 of them were retained plant species including Terminalia catappa, Cocculus orbiculatus, Mangifera indica, Dimocarpus longan, Michelia x alba and Macaranga tanarius. Some green algae, such as c.f. Ulothrix sp. and Enteromorpha sp.were re-colonized in the water body or attached to the substratum in the ECA. Those algae could attract algae feeding organisms and it also provide mirco-habitat for some marine or brackish water species especially juveniles. Detailed information of the recorded vegetation is given in Appendix L.

The general growth/health of the retained or newly re-colonized vegetations was in fair condition.

The trees transplanted from works area under Contract 1 and 2 to ECA, including 13 Bombax ceiba, 2 Melaleuca quinquenervia and 1 Celtis sinensis, were in fair condition since the transplantation in June, except for Celtis

sinensis (Appendix L(B)). However, Bombax ceiba (T152) & Celtis sinensis (T250) are in poor condition with injured bark & dehydrated crown. Replacement of these trees are suggested if the condition of the tree can no longer be improved.

A total of 370 trees were newly planted for amenity purpose within the ECA since September 2011. The 370 individual trees were randomly planted at different zones, except for zone F, as showed in **Figure 6.3.2.1**.

Contract No. DC/2009/22 – Drainage Improvement in Shuen Wan, Tai Po – Contract 1 Monthly EM&A Report for June 2012

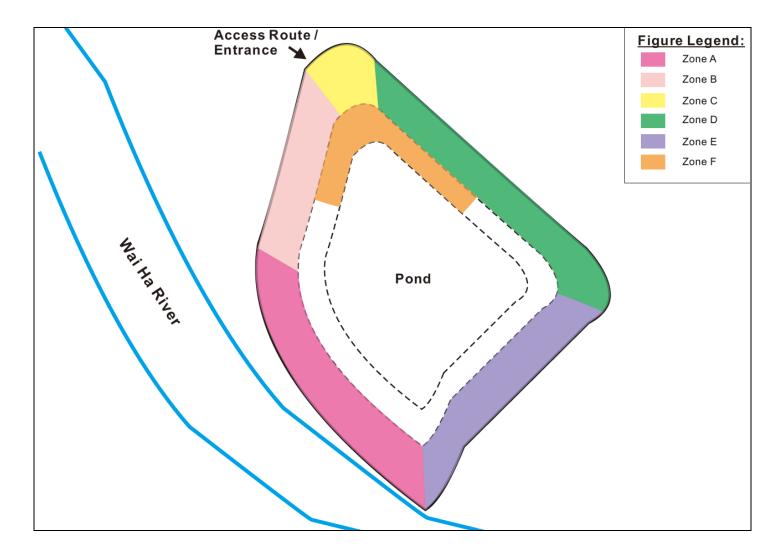


Figure 6.3.2.1 Landscape floor plan of ECA during establishment phase.

The newly planted trees included *Celtis sinensis* (95), *Hibiscus tiliaceus* (114), *Macarango tanarius* (57), *Ficus superb var japonica* (28) and *Viburnum odoratissimum* (76).

Newly planted trees in Zone A, B and C were in fair condition, except for *Celtis sinensis* (tag no.195), *Macaranga tanarius (tag no* 331, 337 & 340) & *Ficus superb var. japonica* (tag no.37) were in poor condition in terms of dehydrated crown, continuous monitoring of the health condition in growing season is suggested.

However, some trees in Zone D and E were in poor condition in terms of dehydrated crown or sparse crown. These are:

# Dehydrated crown with no foilage

- *Macaranga tanarius*: tag no. 158
- Celtis sinensis: tag no. 13, 15, 21, 34, 35, 121, 132, 135
- Viburnum odoratissimum: tag no.167

Replacement of these trees is suggested if the condition of the trees can no longer be improved.

# Sparse Crown and yellow leaves

- Celtis sinensis: tag no. 213

Those planted tree poor condition were caused during trans-location or plantation. It is expect most of them would be recovered and the health condition would be improved in growing season.

Mangrove seedlings were planted in Zone F, but most of them were in poor to fair condition. It is expected they may grow better in wet season.

Three specimens of protected species *Pavetta hongkongensis* were transplanted from work area under Contract 2 to ECA at Zone D on 20<sup>th</sup> December 2011. Monthly monitoring was carried out and their overall conditions are fair so far (**Appendix**)

**L**(**C**)). Representative photographs of the transplanted *P. hongkongenesis* are showed on **Figure 6.3.2.2**.

A total of 66 trees, including 6 *Celtis Sinensis*, 4 *Ficus Superba Var. Japonica*, 52 *Hibiscus Tiliaceus*, 3 *Macaranga Tanarius* and 1 *Viburnum Odoratissimum*, were removed by contractor from ECA in June 2012, new trees will be transplant to ECA for replacement in July 2012. Detail information of removed trees is given in (**Appendix L** (**D**)).



Figure 6.3.2.2. Representative photographs of transplanted *Pavetta hongkongensis* in ECA since the first transplantation in 26 June. 2012.

Regular watering is recommended to improve the condition of the planted or transplanted plants during non-raining period. Relevant mitigation measures will be proposed when necessary.

There is no sign of pest outbreak or dieback took place in the current monitoring.

# 6.3.3 Summary

In total, 23 species of trees, shrubs, climbers and herbs were retained or naturally colonized in the ECA during initial establishment period. Starting in August 2011, a total of 16 tree and three specimens of protected species *Pavetta hongkongensis* were transplanted to ECA. Most of them were in fair condition. In addition, 370 trees, including *Celtis sinensis, Hibiscus tiliaceus, Macaranga tanarius, Ficus superb var japonica* and *Viburnum odoratissimum*, were newly planted in ECA since September 2011 for amenity purpose. A total of 66 trees were removed in June 2012 and will be replace by new trees in July 2012. Although there is no sign of pest outbreak or dieback, regular watering and close monitoring are still be recommended.

# 6.3.4 References

Webb, R (ed.) 1991, Tree Planting & Maintenance in Hong Kong, Hong Kong Government, Hong Kong

# 6.3.5 Monitoring of Water Quality

The point of linkage between the ECA and Wai Ha River at the southern pond bund of the wetland was completed on  $30^{\text{th}}$  August 2011. The constructed wetland habitats in the ECA have been filled with the tidal water from Wai Ha River. Monitoring of in situ water quality in the ECA was commenced in September 2011 by the IEC's ecologist. In addition, Ecological water quality monitoring at ECA was conducted on 30/4 with result: Turbidity: 13.3NTU; Temperature:  $28.4^{\circ}$ C; DO: 4.98mg/L; pH: 6.3.

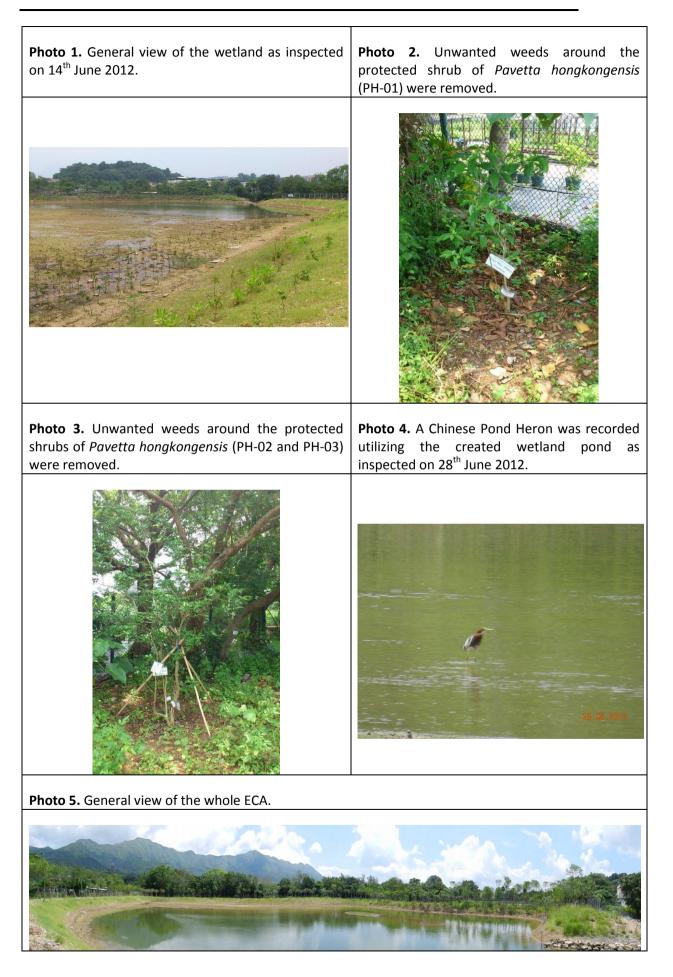
# 6.3.6 Site Inspections

Twice monthly establishment phase monitoring has commenced in November 2011. Two site inspections were carried out on 14th and 28th June 2012. Table 1 summarizes the observations and recommendations for each site inspection.

Table 6-1. Observations and recommendations for each site inspection, April 2012.

Inspection Dates	Observation	Recommendations			
14 <sup>th</sup> June 2012	The created wetland was generally in good condition (Photo 1). The replacement planting of compensatory trees and wetland herbs has not been carried out by the appointed landscape contractor. Two new trees of <i>Hibiscus tiliaceus</i> with wrapped rootballs were found nearby the main gate and planting of these trees within short period was expected. Compensatory trees with unsatisfactory health and/or structural condition were removed, leaving empty planting holes along the terrestrial bund.	The Contractor was reminded to replace the compensatory trees and the selected wetland herbs showing poor growth performance as soon as possible. In particular, the replaced trees should be of structurally balanced form and they should not be planted too deep into the soil.			
	Weeding of unwanted herbs (such as <i>Bidens alba</i> and <i>Mikania micrantha</i> ) around the transplanted shrubs of conservation interest, <i>Pavetta hongkongensis</i> , was noted (Photos 2-3). Fruiting was noted on the transplanted <i>Pavetta hongkongensis</i> (PH-01). However, manual weeding of the remaining terrestrial areas in the whole ECA has not been undertaken by the Contractor.	Manual weeding of unwanter herbs ( <i>Bidens alba</i> and <i>Mimost pudica</i> ) and seedlings/sapling of weedy tree <i>Leucaent leucocephala</i> should be carried out soon.			
	Three transplanted trees, including T149, 152 (both are <i>Bombax ceiba</i> ) and T250 ( <i>Celtis</i> <i>sinensis</i> ) showed improved growth performance. A few new leaves were observed on their canopies. Better regeneration of the planted wetland herbs <i>Cyperus malaccensis</i> and <i>Bacopa monnieri</i> were recorded and the latter has established to colonize wider intertidal area.				
28 <sup>th</sup> June 2012	The site condition and wetland function were basically satisfactory. Two Little Egrets and Chinese Pond Heron (Photo 4) were observed utilizing the created pond area. No replacement planting of trees and wetland herbs were observed in the ECA. The	The Contractor should work with the landscape contractor immediately on the arrangement of the replacement planting of the compensatory trees and the			

hydroseeded areas along the created pond bund were covered by germinated grass and other naturally established herbs (Photo 5). Some of the planted shrubs <i>Melastoma</i> <i>sanguineum</i> and <i>Scaevola taccada</i> were flowering, implying these plants have adapted and established in this site.	selected wetland herbs showing poor growth performance. In particular, the replaced trees should be of structurally balanced form and they should not be planted too deep into the soil.
A few propagules of mangrove <i>Kandelia obovata</i> were naturally established along the edge of the created marshy and mangrove area. However, these established plants did not cause significant impact to the wetland function. Majority of the planted mangrove seedlings were in fair condition, though some of them showed no leaves and need to be replaced.	Manual weeding of unwanted herbs ( <i>Bidens alba</i> and <i>Mimosa</i> <i>pudica</i> ) and seedlings/saplings of weedy tree <i>Leucaena</i> <i>leucocephala</i> should be carried out soon.
The requested weeding work along the terrestrial areas (mainly along the north and northeastern parts of the ECA) has not yet carried out by the appointed landscape contractor by the end of June 2012. Majority of the planted compensatory trees have grown in fair condition, especially after the fertilization in February 2012 and the onset of the wet season.	



#### 6.4 Management Activities

#### 6.4.1 Ecological Issues/ Management Activities

No significant ecological issues were identified from the site inspection by the Wetland Specialist from the site inspections in June 2012.

The ECA has been maintained in basically good condition. The planted compensatory trees and shrubs have showed fair health condition. In particular, some of these shrubs (Melastoma sanguineum and Scaevola taccada) and compensatory trees (Viburnum odoratissimim) were found flowering as inspected in June 2012. As abovementioned, the requested replacement planting of selected compensatory trees and wetland herbs which are of unsatisfactory growth performance has not yet carried out by the appointed landscape contractor. The Contractor should work closely with the landscape contractor for the arrangement of such replacement planting as soon as possible. The wetland herbs for replacement would be planted at suitable grade level to increase their survival rate and adaptability to the created marsh area.

The Contractor is advised to weed the unwanted herbs (especially herbs Bidens alba, Mimosa pudica, climber Mikania micrantha, and seedlings of weedy tree Leucaena leucocephala) along the northern to northeastern boundaries of the ECA soon. Manual removal of the roots of these unwanted plant species is preferred.

#### 6.5 Implication of the Survey Findings

# 6.5.1 Implication to the Wetland design of the ECA

No implication to the wetland design from these two site inspections in June 2012.

#### 6.6 Recommendations

No implication to the wetland design from these two site inspections in June 2012.

# 7 Landscape and Visual

#### 7.1 Introduction

The Landscape and Visual Monitoring of the Project is conducted to fulfill Clauses 5.2 and 5.4 of EP-303/2008 and the monitoring requirements in accordance with Section 7 of the approved updated EM&A Manual (approved by EPD on 7<sup>th</sup> November 2011) of the Project. A Baseline Review on updating the landscape and visual condition, and the mitigation measures of the Project (including Contracts 1 and 2 of the Project) was undertaken before the commencement of the Project. The review findings were updated in the Baseline Environmental Monitoring Report submitted to the EPD on 14<sup>th</sup> February 2011.

This monthly monitoring report will detail the scope of landscape and visual monitoring work, monitoring findings and observations, and any recommendations and advice on proper implementation of the landscape mitigation measures in the works areas under Contract 1 of the Project.

# 7.2 Scope of Monitoring

# 7.2.1 Monitoring Objectives

Landscape and Visual Monitoring of the Project should be conducted in a bi-weekly basis for checking the design, implementation and maintenance of the landscape and visual mitigation measures throughout the construction phase and in a quarterly basis during operational phase of the Project. Observations of any potential conflicts between the proposed mitigation measures and the project works carried out by the Contractors should be recorded. Recommendation and advice on proper implementation of the landscape mitigation measures should be provided to the Contractor for minimizing any potential impacts on the landscape and visual elements.

# 7.2.2 Monitoring during Construction Phase

The following landscape and visual mitigation measure should be implemented during

the construction phase of the project to minimize the potential impacts:

- Visual Screen Use of hoardings as visual screens for the construction in the works areas;
- Contaminant/ Sediment Control Use of temporary barriers, covers and drainage provision around the construction works as contaminant/ sediment control to prevent the contaminants and sediments from entering the sensitive water-based habitats;
- Pollution Control Implementation of pollution control measures to minimize any adverse environmental impacts to the surrounding habitats;
- Liaison with Nursery Liaison with the nursery operator as necessary to minimize any adverse impact to the daily operation and plant holding capacity of the nursery;
- Existing Trees within Works Area Maintenance and protection of the existing trees, especially their crowns, trunks and roots, within work sites; and
- Construction Light Provision of construction light should be controlled at night to avoid excessive glare to the surrounding villages and to Plover Cove.

# 7.2.3 Monitoring during Operational Phase

The following landscape and visual mitigation measure should be implemented during the operational phase of the project to minimize the potential impacts:

- Viewing area formation by planting with shrubs, grasses and benches along the area;
- Architectural design of the pump house will help it fit into the existing suburban, natural to semi-natural surroundings;
- Landscape design of pump house by providing sufficient planting around its boundary fence;

- Enhancement planting along Tung Tsz Road with shrubs/ trees of suitable species to help protect the stream and marshes;
- Construction of box culvert should be with at least 1.0m soil depth for enhancement planting;
- Transplanting of existing affected trees to adjacent locations should be carried out;
- Preparation for transplanting is needed to allow sufficient time for root pruning and rootball preparation prior to transplanting; and
- Reinstatement of affected area should be carried out to check that the works areas are properly reinstated.

# 7.3 Landscape and Visual Monitoring Results

# 7.3.1 Monitoring Date(s)

This monthly Landscape and Visual Monitoring (June 2012) was conducted to cover only Areas A, B and C of Contract 1 of the Project. The bi-weekly monitoring was conducted on 14<sup>th</sup> and 28<sup>th</sup> June 2012.

All photos stated in this section are recorded in Appendix G.

The bi-weekly monitoring for Contract 2 was also undertaken on 14<sup>th</sup> and 28<sup>th</sup> June 2012. The monitoring findings and recommendation will be submitted in a separate Monthly EM&A Report under Contract DC/2010/02.

# 7.3.2 Visual Screen

No follow-up action by the Contractor is required as from the *Monthly EM&A Report for May 2012*.

# **Observation**

Construction hoardings have been erected in Area A along the entire site boundary. As the work for building an automatic mechanical penstock at Wai Ha River estuary has commenced since March 2012, temporary construction hoardings (**Photo 1**) have been erected around this works area.

A section of temporary hoarding has been erected from northwest to southwest parts (i.e. Phase I construction works) of Tung Tsz Nursery in Area B (approximately along the works boundary from Trees U42 to U62) (**Photo 2**). Another section of temporary hoarding has been erected from southwest to eastern parts of the Nursery (**Photo 3**) in May 2012 and connected with the Phase I construction works area. An open section with no construction work has been maintained as a major road access inside Tung Tsz Nursery for their daily operations.

A line of chain link fence has been maintained around the boundary of Area C since the onset of its establishment period.

# **Recommendation**

No specific recommendation is required.

# 7.3.3 Contaminant/ Sediment Control

No follow-up action by the Contractor is required as from the *Monthly EM&A Report for May 2012*.

# **Observation**

Area A

Provision of dust control measure (such as vehicle wheel washing facilities) was observed at the exit point of Area A.

Used water for washing vehicle wheel and groundwater from the excavated sites were pumped into the silt/sand removal facilities for filtration before discharging into the manhole adjacent to Area A. No unauthorized discharge of contaminated water/ sewerage was observed during the monitoring.

Area B

Used water was collected and drained directly to the sedimentation tank placed adjacent to the fenced Area C. The water was further filtered through the silt/sand removal facilities in the tank before discharging into the manhole adjacent to Area C.

Area C

The establishment phase of the Ecological Compensatory Area (ECA) has commenced and the pond of the ECA is connected with the Wai Ha River directly. No water resulting from normal wetland maintenance practice was pumped out from the ECA.

# **Recommendation**

No specific recommendation is required.

# 7.3.4 Pollution Control

All used water for washing vehicle wheel and construction works was filtered and drained to the manholes, as following the recommendation stated in *Monthly EM&A Report for May 2012*.

# **Observation**

Area A

Provision of vehicle wheel washing facilities was observed at the exit point of Area A to reduce the contamination to the surrounding habitats in Plover Cove. Used water for washing vehicle wheel and groundwater from the excavated sites were pumped into the silt/sand removal facilities for filtration before discharging into the manhole adjacent to Area A. The drainage pipes were maintained appropriately to discharge the used water to the manhole at Ting Kok Road. No direct discharge of polluted water into the adjacent Wai Ha River was observed from the works area for building the automatic mechanical

penstock at Wai Ha River estuary.

#### Area B

As observed during the monitoring on 28<sup>th</sup> June 2012, used water resulting from vehicle washing and site cleaning from Area B were accidentally released across the access road located to the northwest of Area B. The Contractor was informed immediately after the monitoring and the Contractor will align sandbag barriers on both sides of that access road so as to direct and drain the used water to the sedimentation tank and finally to manhole/other approved discharge point. This is to prevent any used water running into the nearby marsh area.

Except for the abovementioned observation on the release of used water, all used water was collected and drained directly to the sedimentation tank placed adjacent to the fenced Area C. This water was further filtered through the silt/sand removal facilities in the tank before discharging into the manhole adjacent to Area C.

Area C

The pond of the ECA was observed to be connected to Wai Ha River directly as following the scheme design of Habitat Compensatory Plan (**Photo 4**). No direct discharge of turbid water into the adjacent Wai Ha River was observed.

# **Recommendation**

No specific recommendation is required for Areas A, B and C, except that the Contractor should undertake the mitigation measures (i.e. establishment of sandbag barriers along the access road to the northwest of Area B) immediately so as to prevent any potential pollution to the nearby marsh area. As a reminder, the Contractor should regularly check the condition of the drainage pipe and ensure that the used water should be appropriately filtered and discharged to the manhole/other discharge point agreed by the Engineer and EPD. This is to avoid any potential contamination to the vegetation in Shuen Wan marsh and other vegetated/marinated areas adjacent to the active works area.

# 7.3.5 Liaison with Nursery

Active construction works within Tung Tsz Nursery has been extended to the east of the nursery in connection with Ting Kok Road since May 2012.

The health condition of the *Grevillea robusta* (U58) has been closely monitored on a bi-weekly basis and regular watering of the retained trees and transplanted trees was anticipated. New leaves were observed on its branches and along the trunk.

The works practice and maintenance of trees within the nursery generally follow the recommendation as stated in *Monthly EM&A Report for May 2012*. Any observed issues related to the liaison with the nursery are highlighted in this section.

#### **Observation**

As abovementioned in Section "Visual Screen", the temporary hoarding has been erected from northwest to southwest parts of Tung Tsz Nursery in Area B since April 2011. The major construction work within Area B has been extended to the east of the nursery in connection with Ting Kok Road with the establishment of temporary hoarding. The major road access within the Nursery has been maintained to minimize the impact on the nursery's daily operation resulting from the construction works.

Regular monitoring for the transplanted tree U58 *Grevillea robusta* was conducted bi-weekly. Tree defects of new leaves of smaller sizes and poor physiological performance were still found. New leaves were observed on the tree branches and even watersprouts on the tree trunk. Health condition of this transplanted tree has remained fairly poor in June 2012 (**Photo 5**) and close monitoring has to be continued to update its health and structural condition.

A total of 14 trees has been translocated to the temporary receptor sites within the active works area (i.e. Phase 2 construction works area) since May 2012, including A22, A36, A38, A41, A42, A43, U62, U72, U74, U76, U77, U78, U79 and a *Terminalia catappa* without a tree tag.

#### **Recommendation**

The works area and the construction works should be properly managed and implemented without influencing the daily operation of the nursery (i.e. provide enough access road and works area for the nursery operation).

All transplanted trees should be watered regularly (e.g. at least every two days) by the appointed landscape contractor. Meanwhile, the Contractor should prevent forming waterlogged areas or leakage of used water from the active construction works area into the Nursery. This is to prevent causing any nuisance to the nursery's daily operation.

Regular monitoring and watering of *Grevillea robusta* (U58) are still recommended to be the major treatment to the tree. The appointed landscape contractor and the Contractor should closely monitor the health conditions throughout the establishment period.

#### 7.3.6 Existing Trees within Works Areas

Tree Protection Zones (TPZs) in Areas A and B were demarcated within the construction sites as following the recommendation stated in the *Monthly EM&A Report for May 2012*, but observation of piling of construction materials within or close to the TPZs were still recorded in Area A (see details in the following section). The shading net tied on the trunk of U57 has still remained since the tree transplantation in May 2011.

Regular watering of the retained trees, transplanted trees and the compensatory planting was anticipated. Maintenance of the existing trees within the works areas generally follows the recommendation as stated in *Monthly EM&A Report for May 2012*, except the observations as highlighted in the following sections.

#### **Observation**

#### Area A

TPZs with temporary storage of construction materials were still observed for trees to be

transplanted (E16 to E20) at the southwestern part of Area A (**Photos 6-7**). Locations of the construction hoardings, which were erected to form the TPZs, were often adjusted by the site workers to facilitate their storage of materials. These construction materials were often placed within or close to the TPZs and there were potential damage to the trunks and roots of these trees to be transplanted.

Sheet piling work was undertaking within the TPZs for those trees to be transplanted (E16 to E20) at the southwestern part of Area A during the monitoring on 28<sup>th</sup> June 2012 (**Photos 8-9**). With regard to the close proximity of the sheet piles to the existing trees (E16 to E20), this work would potentially damage branches and underground roots of those trees to be transplanted.

The tree health of three relocated *Melaleuca cajuputi* subsp. *cumingiana* (E22, E33 and E34) on the eastern side of Area A next to the site hoarding was regularly monitored (**Photos 10-11**). No new leaves or buds were observed on these relocated trees. Health condition of these trees has remained very poor as a result of the transplantation shock and poor transplantation skill in planting them too deep in the soil. The tree tags on E33 and E34 were still missing.

As observed in the monitoring in June 2012, the injured part of the tree to be felled E44 (*Macaranga tanarius* var. *tomentosa*) was still burlapped and more watersprouts were found near the wounds (**Photo 12**). Such damage on the tree and the wrapping around the wounds have been reported since March 2012.

As observed on 28<sup>th</sup> June 2012, a small branch of a tree to be retained E63 (*Celtis sinensis*) was found to be damaged mechanically and the broken branch was still overhanging in the canopy (**Photo 13**).

No other significant damages on the crowns, trunks and roots of the remaining trees were observed during the monitoring in May 2012 in Area A.

#### Area B

Trees, including retained and transplanted specimens, within the nursery were maintained generally in fair condition, with no significant damages on tree crowns, trunks and roots

observed during the monitoring in June 2012. Small watersprouts and new leaves were observed on the trunk and branches of the transplanted tree U58 (*Grevillea robusta*) but its physiological condition has still remained fairly poor after the transplant.

The health conditions of U34 (**Photo 14**), U35 (**Photo 15**) and U37 (**Photo 16**) were found to be very poor, with no leaves in the canopies and dried, loose tree bark.

With the extended construction area within the Nursery, it was unable to inspect the latest tree condition of some relocated trees due to the ongoing construction of the box culvert (**Photo 17**) in June 2012. These inaccessible trees were A42, U74, U72, U70, U69, A43, U62 and an untagged *Terminalia catappa* (**Photos 18-19**). Their health could be assessed only by their overall canopies' and upper trunks' conditions. A43, A22 and the untagged *Terminalia catappa* were found being pruned (**Photos 20-22**). The tag of A22 was found missing. Excessive soil was removed from the trunk bases of A22 (*Terminalia catappa*) and the untagged *Terminalia catappa*.

The areas around the trunk bases of U76, U77 and U78 were waterlogged. This would potentially damage the roots of those relocated trees (**Photos 23-25**).

After the recent translocation work, the broken planter and the guying ropes of the palm A36 were removed. This palm was slightly leaning (**Photo 26**). Besides, all of the translocated trees were not guyed and only a few of these trees were protected within orange construction nets established as temporary TPZs.

Broken planters for 3 trees (U54 and two existing trees with no tag next to U54) were observed at their temporary receptor sites within the active works area to the northwest of the nursery. The planter of U54 has been surrounded by orange construction nets to prevent further damage to the remained planters since May 2012. The net was found surrounding the base of the untagged tree to the south of U54 in which which its planter was totally removed. The excessive soil piled at its trunk base was removed in June 2012 (**Photo 27**).

No significant damages on the crowns, trunks and roots of the remaining trees were observed during the monitoring in June 2012 in Area B.

# Area C

The existing trees were maintained generally in fair health condition, except that a very few planted compensatory trees showing poor health conditions. No branch pruning and tree felling were observed in the monitoring. No significant damages on the crowns, trunks and roots on trees within Area C were observed during the monitoring in June 2012.

Some compensatory trees (*Hibiscus tiliaceus*) with poor tree form or growth performance was removed as observed in the monitoring on 16<sup>th</sup> May 2012. As informed by the Contractor, these trees would be replaced with new compensatory trees by the landscape contractor soon but replacement planting was not yet observed in June 2012.

No leaves were observed on the transplanted tree T152 (**Photo 28**). New leaves were observed on the transplanted trees T153 (**Photo 29**) and T250 while some new leaves on T250 appeared to be dry. The untagged transplanted tree (*Bombax ceiba*) (possibly T149) was relocated within Area C and new leaves were found on it (**Photo 30**).

The three transplanted specimens (Tree No.: PH01, PH02 and PH03) of the protected shrub species of conservation interest *Pavetta hongkongensis* have remained in fair health condition (**Photos 31-32**). Newly regenerated leaves were observed on these three specimens.

# **Recommendations**

#### Area A

Maintenance of proper TPZs with no temporarily stored construction materials, excessive stockpiled soil and waterlogged condition around the tree trunk flares have been the major tree management issues in Areas A and B. The Contractor should continue notifying the on-site workers not to stockpile soil/construction materials or place construction equipment within and close to the TPZs or lower trunk/trunk flare. Any temporarily stored construction materials/ equipment and excessive water around the trunk flares should be removed and drained immediately. These are particularly important for the relocated trees (E22, and suspected E33 and E34 in Area A) as they perform poor in health due to the

result of the transplantation shock. Operators of the construction machines should be aware of the presence of these relocated and retained trees nearby their works.

The broken branch of E63 overhanging in the canopy should be removed to avoid its potential failure to the on-site workers.

All retained trees or trees to be transplanted should be watered regularly (e.g. at least every two days) by the landscape contractor. The Contractor should conduct regular inspection on the health condition and protection measures of each existing trees within the Area A. Soil surrounding the trunk bases of the relocated trees (E22, and suspected E33 and E34) has to be removed to level off the grade difference. In particular, regular watering should be applied on the three recently relocated trees (i.e. E22 and suspected E33 and E34) with regard to their poor health condition

#### Area B

All transplanted trees should be watered regularly (e.g. at least every two days) by the landscape contractor. This is a necessary maintenance practice to improve the survival rates and growth for trees showing poor health conditions as a result of the transplantation shock. Regular check of the tree health should be conducted. Proper protective measures such as guying and TPZs are recommended especially for the newly transplanted trees. Waterlogged areas should be avoided and excessive water around the tree trunk flares should be drained immediately.

Regular inspection on the tree health of U58, U34, U35 and U37 should be undertaken to update their health conditions and any tree defects. If these trees are found to be dead specimens for a prolonged period in the wet season, the Contractor should replace these specimens for compensation.

The Contractor has to repair the planters or establish proper TPZs for the tree U54 and the two untagged trees adjacent to U54 as soon as possible. In addition, the Contractor should ensure that all planters have been properly maintained. Manual weeding of overgrowth vegetation within the tree planters is recommended.

The Contractor is recommended to re-tag the translocated trees and regularly check the Environmental Pioneers and Solutions Limited P.54

condition of the tags. All tree tags on the trees should be managed properly by the Contractor throughout the construction and establishment phases. A good tree tag system is important for the Contractor, subcontractor and the auditor to undertake routine maintenance, monitoring and rapid remedial actions (if any).

The shading net tided on the trunk of U57 in Area B should be removed as soon as possible. The Contractor should have regular site check on the conditions of the trees and tree tags within the Project Area

Area C

All transplanted trees, planted compensatory trees and the three transplanted individuals of *Pavetta hongkongensis* should be watered regularly (e.g. at least every two days) by the appointed landscape contractor. Regular check of the health conditions of these trees should be conducted. If any of these trees are found to be dead specimens for a prolonged period in the wet season, the Contractor should replace these specimens for compensation.

# 7.3.7 Construction Lights

No follow-up action on maintenance of construction light is required as from the *Monthly EM&A Report for May 2012.* 

# **Observation**

No construction light impact to the surrounding villages and to Plover Cove as all construction activities and construction sites are halted at 1800. No construction light at night is provided by the Contractor.

# **Recommendation**

No specific recommendation is required.

# 7.4 Audit Schedule

The next bi-weekly Landscape & Visual Monitoring in July 2012 is scheduled to be conducted in the weeks of 9<sup>th</sup> and 23<sup>rd</sup> July 2012.

#### 8 Action taken in Event of Exceedance

If the measurements (Noise, Water, Hydrological Characteristics, and Ecology) exceed the action / limit level, exceedance details will be reported and follow-up actions will be taken by relevant parties involved.

During the reporting month there was no exceedance for noise, hydrological characteristics, and ecological measurements recorded; therefore, no actions were taken.

For water quality monitoring, total 11 abnormal incidents of water quality limits (Dissolved Oxygen, Suspended solids and Turbidity) were recorded in this reporting month according to the established level. ET has arranged site investigations for the abnormal incidents and it was observed that the river was redirected and narrowed for construction of mechanical penstocks; and increases the speed of water current. No construction activities were carried out at the river bed during the reporting period. Proper mitigation measures was implemented by contractor to avoid site water release to the Wai Ha river and No particular observation of defective site activities were found causing water contamination; The exceedance of Turbidity and Total suspended solid were believed to be mainly attributed by high water flow rate and adverse weather. Besides, the levels of Turbidity at W1 had been also exceeded its baseline limit level. Therefore, the exceedances recorded at were unlikely to be related to the Project. The water condition of Wai Ha River is presented in photo attached in **Appendix N**.

#### 9 Construction waste disposal

It is the contractor's responsibility to ensure that all wastes produced during the construction phase for the drainage improvement works are handled, stored and disposed of in accordance with good waste management practices and EPD's regulation and requirement. Waste materials generated during construction activities, such as construction and demolition (C&D) material, chemical wastes and general refuse, are recommended to be audited at regular intervals to ensure that proper storage, transportation and disposal practices are being implemented.

Table 9.1 is a summary of figures of the construction wastes disposal provided by Contractor.

	Actual Quantities of Inert C & D Materials Generated Monthly					Actual Quantities of C & D Wastes Generated Monthly					
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/cardboar d packaging	note3)		Others, e.g. general refuse
	(in'000m3)	(in'000m3)	(in'000m3)	(in'000m3)	( in'000m3	( in'000m3	(in'000kg	(in'000kg)	(in'000kg	(in'000kg)	(in'000kg)
Year2011	11.758	0.00	9.703	0.665	0.750	0.556	0.00	0.00	0.00	0.00	0.165
Jan-12	0.010	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.005
Feb-12	0.130	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar-12	0.125	0.00	0.125	0.00	0.00	0.00	2.37	0.00	0.00	0.00	0.01
Apr-12	0.265	0.00	0.26	0.00	0.005	0.00	0.00	0.00	0.00	0.00	0.01
May-12	0.705	0.00	0.705	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
June-12	1.395	0.00	1.395	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2
Total	15.103	0.00	13.172	0.665	0.71	0.556	2.37	0.00	0.00	0.00	0.23
	Forecast of Total Quantities of C & D Materials to be Generated from the Contract										
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/cardboar d packaging	note3)	Chemical Waste	Others, e.g. general refuse
	(in'000m3)	(in'000m3)	(in'000m3)	(in'000m3)	( in'000m3 )	(in'000m3)	(in'000kg )	(in'000kg)	(in'000kg	(in'000kg)	(in'000kg)
	37.37	8.27	12.09	0.00	25.28	2.1	10	2	0.5	1	1

Table 9.1 Summary of Construction Waste Disposal

Notes (1) The Performance targets are given in PS Clause 26.23 (14)

(2) The waste flow table shall also include C & D materials that are specified in the Contract to be imported for used at the sites

(3) Plastics refer to plastics bottles/containers, plastic sheets/foam from packaging materials.

(4) The summary table shall be submitted to the Engineer's Representative monthly together with the Waste Flow Table for review and monitoring in accordance with the PS Clause 25.20A(4)

# 10 Status of Permits and Licenses obtained

Table 10.1 is the updated status of environmental related permits/ license obtained for the construction activities

Description	License / Permit No.#	Date of Issue	Site	Date of expiry	Status
Environmental Permit	EP-303/2008	2008/2/25	Area A, B & C	not applicable	Valid
Discharge Licence	WT00006448-2010	2010/6/15	Area A, B & C	30/6/2015	Valid
Registration as a Chemical Waste Producer	316597	2010/4/26	Area A, B & C	not applicable	Valid
Waste Disposal	7010348	2010/3/2	Area A, B & C	not applicable	Valid

Table 10.1 Status of Permits and Licenses Obtained

# 11 Compliant Log

There was no formal complaint received during the reporting period. Therefore, follow up actions for the environmental complaint is not required.

	Noise	Water	Ecology	Others
Year 2011	0	0	0	0
January 2012	0	0	0	0
February 2012	0	0	0	0
March 2012	0	0	0	0
April 2012	0	0	0	0
May 2012	0	0	0	0
June 2012	0	0	0	0
Total	0	0	0	0

Table 11.1 Summary of Formal Complaints received

### 12 Site Environmental Audits

### 12.1 Site Inspection

Site inspections were undertaken weekly to inspect the construction activities in active site areas to ensure that appropriate environmental protection and pollution control mitigation measures are properly implemented.

Within this reporting period, site inspections were conducted on 7<sup>th</sup>, 14<sup>th</sup>, 22<sup>nd</sup> and 28<sup>th</sup> of June 2012. A detailed checklist of each site inspection together with comments and relevant photos have been filed and kept. The findings from inspection were summarized in Table 12.1.

Date	Findings	Identification	Advice from ET	Action taken	Closing date	Remarks
23 & 30 Mar 12 3, 12, 19 & 24 Apr 12 3, 10, 17, 23 & 31 May 12	Construction materials were observed inside the tree protection zone at Area A.	Observation	Contractor was reminded to remove the construction materials.	Construction materials were removed from tree protection zone by contractor at Area A	7 June 12	
10, 17, 23 & 31 May 12 7 Jun 12	Haul road was dry and dusty	Observation	Contractor was reminded that routine water spraying should be implemented	Routine water spraying was implemented by contractor at Area A	14 June 12	
	Tree protection zone was not provided by contractor at Area B	Observation	Contractor was reminded to set up the tree protection zone with fencing for all the trees	Proper tree protection zone was set up by contractor at Area B	22 Jun 12	

Table 12.1 Summary results of site inspections findings

Date	Findings	Identification	Advice from ET	Action taken	Closing date	Remarks
14, 22 Jun 12	Construction materials were observed inside the tree protection zone at Area B	Observation	Contractor was reminded to remove the construction materials from the tree protection zone	Construction materials were removed from tree protection zone by contractor at Area B	28 Jun 12	
14 Jun 12	Chemical materials were observed without drip tray at Area B	Observation	Contractor was reminded to place all the chemical materials inside the drip tray.	Chemical materials were removed by contractor at Area B	22 Jun 12	
14 Jun 12	Construction materials were observed inside the tree protection zone at Area A	Observation	Contractor was reminded to remove the construction materials form the tree protection zone as soon as possible	Construction materials were removed by contractor at Area A	22 Jun 12	
14 Jun 12	Damaged sand bags were observed at Area A	Observation	Contractor was reminded to clean and dispose the damaged sand bags as soon as possible	Damaged sand bags were removed by contractor at Area A	22 Jun 12	
22 & 28 Jun 12	Damaged tree protection fence was observed at Area B	Observation	Contractor was reminded to repair or replace the damaged tree protection fence	Outstanding		
22 Jun 12	Damaged tree protection fence and construction materials inside the tree protection zone were observed	Observation	Contractor was reminded to remove the construction materials and replace the tree protection fence as soon as possible	Construction materials were removed by contractor	28 Jun 12	

Date	Findings	Identification	Advice from ET	Action taken	Closing date	Remarks
	at Area A					
22 Jun 12	Exposed area was observed near the Wai Ha River at Area A	Observation	Contractor was reminded to cover the exposed area with tarpaulin prevent the surface run off	Exposed area was covered with tarpaulin by contractor at Area A	28 Jun 12	
22 Jun 12	Chemical materials were observed without drip tray at Area A	Observation	Contractor was reminded to provide the drip tray for all the chemical materials	Chemical materials were removed by contractor	28 Jun 12	

#### S

#### 12.2 Compliance with legal and Contractual requirement

There was no non-compliance recorded for the month of June 2012.

### 12.3 Implementation status and effectiveness of the mitigation measures

Contractor has implemented mitigation measures to address those problems as advised by ER and ET. Some of the measures taken by the contractor were considered as effective to minimize negative impact to the environment. Ongoing investigation will be carried out to observe performance and effectiveness of those measures. Outstanding environmental items will be inspected in next month.

As there were some ongoing follow up practices, contractor was reminded to regularly review and rectify the discrepancy once found and maintain good site condition. The contractor implemented various environmental mitigation measures as recommended in the Environmental Permit and Final Mitigation Measures Report. The recommend mitigation measures of EM&A manual (revision 3) are presented in Appendix H (A).

The implemented statues of mitigation measures are presented in Appendix H (B)

#### 13 Future Key issues and recommendations

According to the forecasted site activities, key environmental issued to be considered should at least include:

- Site water control and relevant protective measures.
- Quality of effluent discharge from Area A.
- Control and disposal for construction wastes generated from works.

Tree protective measure for tree planting and transplanting, such as tree protection zone and regular watering.

### 14 Conclusions

construction of the proposed transformer room and switch room, construction of the proposed flow meter chamber RM2 and 4.8m Db1200 concrete pipe laying, Removal of sheetpiles of the proposed DN2100 storm relief drain (CH80 to CH140) at Ting Kok Road, Installation of stop log for the proposed intake structure neat the mouth of Wa Ha River and excavation for construction of box culvert (CH55 to CH85) were major site activities being carried out within this reporting period.

Regular site meetings and inspection audits led by the seniors for discussing site environmental matters were held among Project Proponent, Contractor and the ET on weekly basis. Also monthly site meeting and inspection audits with the above parties and IEC were carried out on 22<sup>th</sup> of June 2012.

For noise level monitoring, all results were within the established A/L limits.

For water quality monitoring, total 11 abnormal accidents of water quality limits (Dissolved Oxygen, Suspended solids and Turbidity) were recorded in this reporting month according to the established level. ET has arranged site investigations for the abnormal incidents and it was observed that the river was redirected and narrowed for construction of mechanical penstocks; and increases the speed of water current. Proper mitigation measures was implemented by contractor to avoid site water release to the Wai Ha river and No particular observation of defective site activities were found causing water contamination; The exceedance of Turbidity and Total suspended solid were believed to be mainly attributed by high water flow rate and adverse weather. The exceedance of turbidity was believed to be mainly attributed by natural fluctuation; , since the recorded levels of turbidity at control station had also exceeded its baseline limit level. It was believed that the exceedances recorded at were unlikely to be related to the Project.

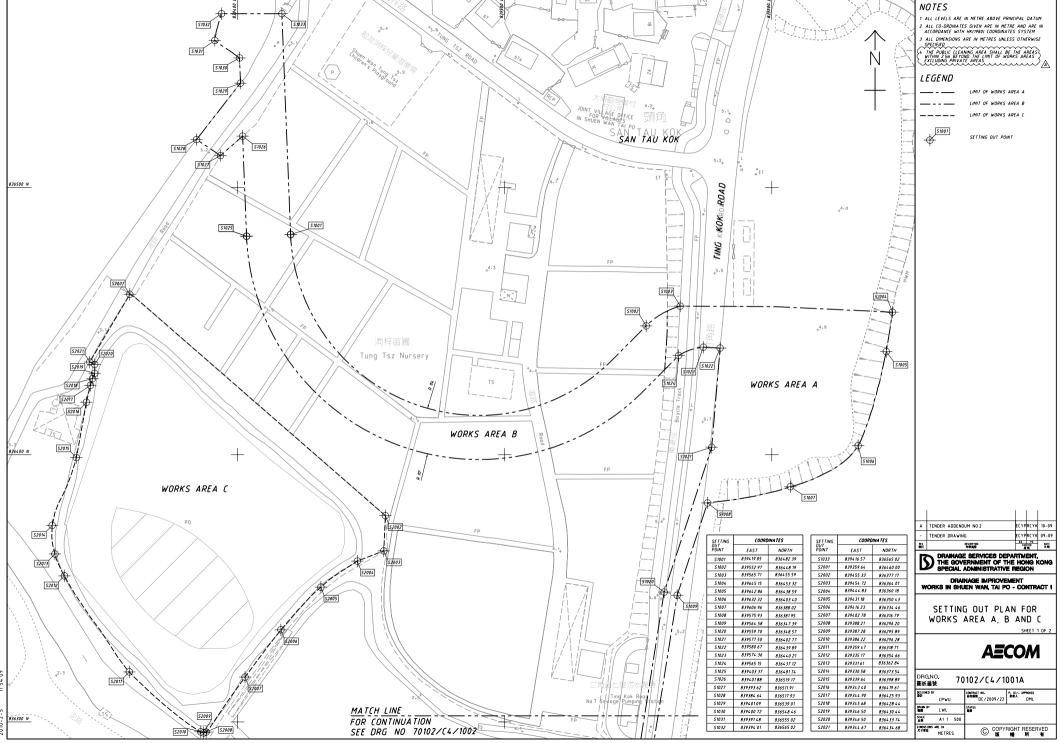
For ecological monitoring survey, all vegetations recorded were in fair condition, with no significance sign of health deterioration for the retained trees. In addition, Ecological water quality monitoring at ECA was conducted on 29/6 with result: Turbidity: 6.92NTU; Temperature: 33.7°C; DO: 5.63mg/L; pH: 6.0.

Also, there were not any notifications of summons recorded during the reporting period. Furthermore, there were not any formal prosecution and complaints recorded.

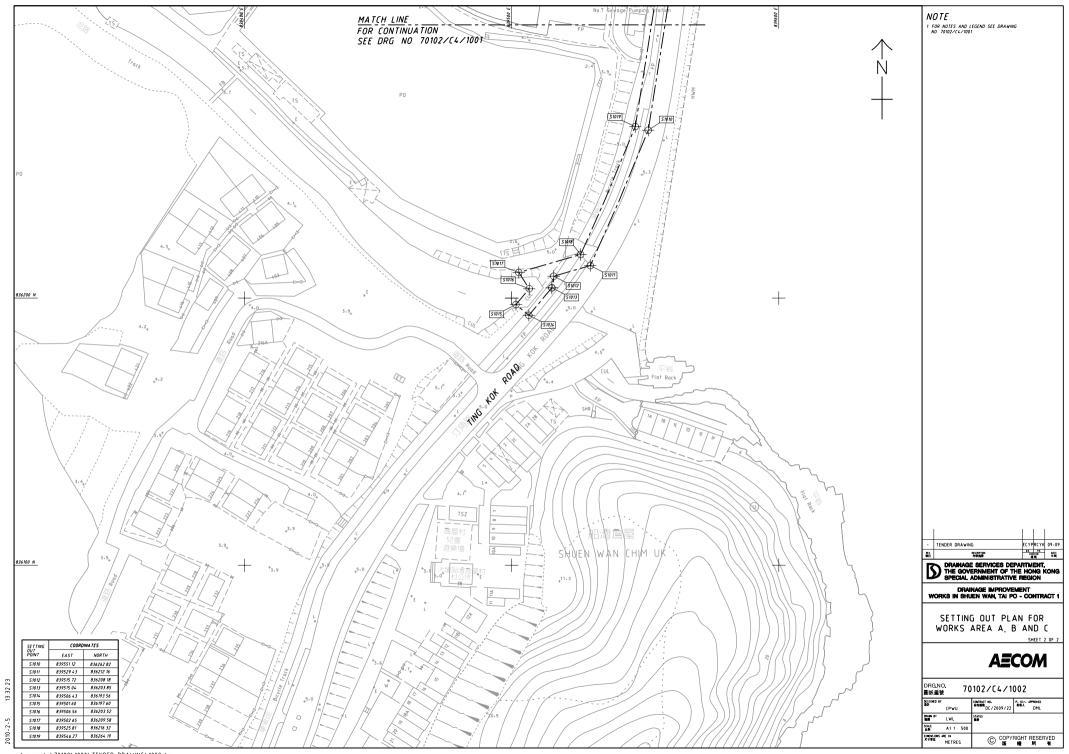
ET has reminded the contractor to provide environmental pollution control measures wherever necessary, and to keep a good environmental management at site practice.

The ET will continue to implement the environmental monitoring & audit programme in accordance with the EM&A Manual (revision 3) and Environmental Permit requirement.

Appendix A: Site Location



p:\projects\70102\1000\TENDER\_ADDENDUM\_NO\_2\1001A.dgn

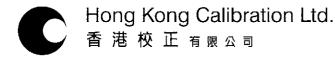


p:\projects\70102\1000\TENDER\_DRAWING\1002.dgn

Appendix B: Key Personal Contact information chart

Post	Name	Contact No.	Contact Fax	e-mail
Project Manager	Mr. W. K. Chan	6821 1136	2674 6688	dc200922jv_pmcwk @yahoo.com.hk
Site Agent	Mr. C. L. Wong	9280 0166	2674 6688	dc200922jv_sa@yaho o.com.hk
Environmental Officer / Sub-agent	Mr. K. M. Ma	9552 1734	2674 6688	dc200922jv_suba@ya hoo.com.hk
Environmental Supervisor	Mr. Anthony Chan	9179 2092	2674 6688	anthony277@hotmail. com
Asia Ecological Consultants Ltd. (Wetland Specialist)	Dr. Mike Leven	2486 2885	2471 8389	mrleven@asiaecol.co m.hk
Environmental Pioneers & Solutions Limited (Environmental Team)	Miss. Goldie Fung	2556 9172	2856 2010	goldiefung@fseng.co m.hk

Appendix C: Calibration Certificates for measuring instruments



Certificate No. 21289	Page 1 of 3 Pages
Customer: Environmental Pioneers and Solutions Limited	
Address : Flat A, 19/F., Chai Wan Industrial Centre Building	, 21 Lee Chung Street, Chai Wan, HK.
Order No.: Q20468	Date of receipt : 2-Mar-12
Item Tested	· · · · ·
Description : Digital Sound Level Meter Manufacturer : SVAN Model : 949	Serial No. : 8571
Test Conditions	
Date of Test: 5-Mar-12 Ambient Temperature: (23 ± 3)°C	Supply Voltage : Relative Humidity : (50 ± 25) %
Test Specifications	
Calibration check. Ref. Document/Procedure: Z01.	
Test Results	
All results were within the IEC 651 Type 1 & IEC 804 Type 1 spec The results are shown in the attached page(s).	ification after adjustment.
Main Test equipment used:	
Equipment No. Description Cert. No.	Traceable to
S017AMulti-Function Generator07279S024Sound Level Calibrator15136	SCL-HKSAR NIM-PRC & SCL-HKSAR

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 :

P. F. Wong

Approved by :

Date: 7-Mar-12

Dorothy Cheuk

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

The copyright of this certificate is owned by Hong Kong Calibration Ltd.. It may not be reproduced except in full.



Certificate No. 21289

Page 2 of 3 Pages

Results :

#### 1. SPL Accuracy

	UUT Set	ting			UUT Rea	ding (dB)
Level Range	Octave Filter	Weight	Response	Applied Value (dB)	Before	After
			-		adjust	adjust
105 dB	OFF	Α	Fast	94.0	*92.0	94.0
			Slow			94.0
		С	Fast			94.0
130 dB	OFF	Α	Fast	94.0		94.0
			Slow			94.0
		С	Fast			94.0
	OFF	Α	Fast	114.0		114.1
			Slow			114.1
		С	Fast			114.1

IEC 651 Type 1 Spec. :  $\pm$  0.7 dB Uncertainty :  $\pm$  0.1 dB

Level Stability : 0.0 dB
 IEC 651 Type 1 Spec. : ± 0.3 dB
 Uncertainty : ± 0.01 dB

#### 3. Linearity

#### 3.1 Level Linearity

UUT Range	Applied			IEC 651 Type 1 Spec.
(dB)	Value (dB)	UUT Reading (dB)	Variation (dB)	(inside Primary)
130	114.0	114.0	0.0	± 0.7 dB
	104.0	104.0	0.0	
	94.0	94.0 (Ref.)		
105	84.0	84.0	0.0	
	74.0	74.0	0.0	
	64.0	64.0	0.0	
	54.0	54.0	0.0	

Uncertainty :  $\pm 0.1 \text{ dB}$ 



#### Certificate No. 21289

Page 3 of 3 Pages

#### 3.2 Differential level linearity

UUT Range (dB)	Applied Value (dB)	UUT Reading (dB)	Variation (dB)	IEC 651 Type 1 Spec.
130	84.0	84.0	0.0	± 0.4 dB
	94.0	94.0 (Ref.)	0.0	
i i	95.0	95.0	0.0	± 0.2 dB

Uncertainty :  $\pm 0.1 \text{ dB}$ 

#### 4. Frequency Weighting

. .

A weighting		
Frequency	Attenuation (dB)	IEC 651 Type 1 Spec.
31.5 Hz	-40.4	- 39.4 dB, ± 1.5 dB
63 Hz	-27.2	- 26.2 dB, ± 1.5 dB
125 Hz	-17.0	$-16.1 \text{ dB}, \pm 1 \text{ dB}$
250 Hz	-9.4	- 8.6 dB, $\pm 1$ dB
500 Hz	-2.6	$- 3.2  dB, \pm 1  dB$
1 kHz	0.0 (Ref)	$0 dB, \pm 1 dB$
2 kHz	+1.8	$+ 1.2  dB, \pm 1  dB$
4 kHz	+1.8	$+ 1.0  dB, \pm 1  dB$
8 kHz	-0.4	- $1.1 \text{ dB}$ , + $1.5 \text{ dB} \sim -3 \text{ dB}$
16 kHz	-6.3	$- 6.6 \text{ dB}, + 3 \text{ dB} \sim -\infty$

Uncertainty :  $\pm 0.1 \text{ dB}$ 

#### 5. Time Averaging

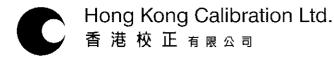
Applied Burst duty Factor	Applied Leq. Value (dB)	UUT Reading (dB)	IEC 804 Type 1 Spec.
continuous	50.0		
1/10	50.0	50.2	± 0.5 dB
1/10 <sup>2</sup>	50.0	49.8	
1/10 <sup>3</sup>	50.0	50.1	± 1.0 dB
1/10	50.0	49.9	<u> </u>

Uncertainty :  $\pm 0.1 \text{ dB}$ 

Remarks : 1. UUT : Unit-Under-Test

- 2. The uncertainty claimed is for a confidence probability of not less than 95%.
- 3. Atmospheric Pressure : 1 001 hPa.
- 4. \*Out of specification.

----- END -----



Certificate No.	21290		Page	1 of	2 Pages
Customer :	Environmental Pioneers and So	olutions Limited			
Address :	Flat A, 19/F., Chai Wan Industr	ial Centre Building, 2	1 Lee Chung Stre	eet, Chai V	Van, HK.
Order No. :	Q20468		Date of receipt	:	2-Mar-12
Item Tested					
Description :	Sound Level Calibrator				
Manufacturer :	Svantek				
Model :	SV30A		Serial No.	: 7908	
Test Conditi	ons	,			
Date of Test :	5-Mar-12		Supply Voltage	<b>;</b>	
Ambient Temp	erature : (23 ± 3)°C		Relative Humic	<b>lity:</b> (50 ±	25) %
Test Specific	cations				
Calibration chec	: <b>k</b>				
	Procedure : F21, Z02.				
Test Results	;				
All results were	within the IEC 942 Class 1 spec	ification.			
	shown in the attached page(s).				
Main Test equip	ment used:				
Equipment No.	Description	<u>Cert. No.</u>		Traceable	<u>to</u>
S014	Spectrum Analyzer	13535		NIM-PRC	& SCL-HKSAR
S024	Sound Level Calibrator	15136		NIM-PRC	& SCL-HKSAR
S041	Universal Counter	15610		SCL-HKS	AR
S206	Sound Level Meter	16338		SCL-HKS	AR

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 :

P. F. Wona

Approved by : \_

Date: 7-Mar-12

 This Certificate is issued by:
 Di

 Hong Kong Calibration Ltd.
 Di

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

 Tel: 2425 8801

 Fax: 2425 8646



#### Certificate No. 21290

Page 2 of 2 Pages

Results :

#### 1. Level Accuracy

UUT Nominal Value (dB)	Measured Value (dB)	IEC 942 Class 1 Spec.
94	94.10	± 0.3 dB
114	114.18	

Uncertainty :  $\pm 0.1 \text{ dB}$ 

#### 2. Frequency

UUT Nominal Value	Measured Value	IEC 942 Class 1 Spec.
1 kHz	1.000 kHz	± 2 %

Uncertainty :  $\pm$  3.6 x 10<sup>-6</sup>

- 3. Level Stability : 0.0 dB IEC 942 Class 1 Spec. : ± 0.1 dB Uncertainty : ± 0.01 dB
- 4. Total Harmonic Distortion : < 0.8 % IEC 942 Class 1 Spec. : < 3 % Uncertainty : ± 2.3 % of reading

#### Remark : 1. UUT : Unit-Under-Test

- 2. The above measured values are the mean of 3 measurements.
- 3. The uncertainty claimed is for a confidence probability of not less than 95%.
- 4. Atmospheric Pressure : 1001 hPa.

----- END -----



# ALS Technichem (HK) Pty Ltd

# **REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION**

CONTACT: MR ALLEN CHAN CLIENT: ENVIRONMENTAL PIONEERS & SOLUTIONS LTD ADDRESS: FLAT 19A, CHAI WAN INDUSTRIAL CENTRE BUILDING, 20 LEE CHUNG STREET, CHAI WAN, HONG KONG. PROJECT: -- 
 WORK ORDER:
 HK1207405

 LABORATORY:
 HONG KONG

 DATE RECEIVED:
 16/03/2012

 DATE OF ISSUE:
 30/03/2012

#### **COMMENTS**

It is certified that the item under calibration/checking has been calibrated/checked by corresponding calibrated equipment in the laboratory.

Maximum Tolerance and calibration frequency stated in the report, unless otherwise stated, the internal aceptance criteria of ALS will be followed.

Turbidity

#### <u>NOTES</u>

This is the Final Report and supersedes any preliminary report with this batch number. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

#### **ISSUING LABORATORY: HONG KONG**

#### Address

ALS Technichem (HK) Pty Ltd

11/F Chung Shun Knitting Centre 1-3 Wing Yip Street Kwai Chung HONG KONG Phone: Fax: Email:

852-2610 1044 852-2610 2021 <u>hongkong@alsglobal.com</u>

Mr Chan Kwok Fai, Godfrey Laboratory Vanager – Hong Kong

This report may not be reproduced except with prior written approval from ALS Technichem (HK) Pty Ltd.

Page 1 of 3

ADDRESS 11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong PHONE +852 2610 1044 FAX +852 2610 2021 ALS TECHNICHEM (HK) PTY LTD Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental 💭



**RIGHT SOLUTIONS RIGHT PARTNER** 

## **REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION**

Work Order:HK1207405Date of Issue:30/03/2012Client:ENVIRONMENTAL PIONEERS & SOLUTIONS LTD



Description:	Multi–meter	
Brand Name:	DKK-TOA	
Model No.:	WMS-24	
Serial No.:	685940	
Equipment No.:		
Date of Calibration:	21/03/2012 and 27/03/20: Date of next Calibration:	21 June, 2012

#### **Parameters:**

Conductivity Method Ref: APHA (21st edition), 2510B

Method Ren Al hA (215t caldon), 25105		
Expected Reading (uS/cm)	Displayed Reading (uS/cm )	Tolerance (% )
146.9	135.0	-8.1
6667 12890	6340 11900	-4.9 -7.7
58670	59300	1.1
	Tolerance Limit (%)	10.0

#### **Dissolved Oxygen**

Ε

#### Method Ref: APHA (21st edition), 4500O: G

(pected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
5.95	5.91	-0.04
6.66	6.63	-0.03
8.76	8.83	0.07
	Tolerance Limit (±mg/L)	0.20
6.66	6.63 8.83	-0.03 0.07

pH Value

#### Method Ref: APHA (21st edition), 4500H:B

Expected Reading (pH Unit)	Displayed Reading (pH Unit)	Tolerance (pH unit)
4.0	4.05	0.05
7.0	7.10	0.10
10.0	10.08	0.08
	Tolerance Limit (±unit)	0.20

#### Temperature

#### Method Ref: Section 6 of International Accreditation New Zealand Technical

#### Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Expected Reading (°C )	Displayed Reading (°C )	Tolerance (°C )
11.5	12.0	0.5
21.0	20.5	-0.5
32.0	31.1	-0.9
	Tolerance Limit (°C)	2.0

Mr Chan Kwok Fai, Godfrey Laboratory/Manager - Hong Kong

ALS Technichem (HK) Pty Ltd ALS Environmental

# **REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION**

Work Order:HK1207405Date of Issue:30/03/2012Client:ENVIRONMENTAL PIONEERS & SOLUTIONS LTD



Description:	Multi–meter	
Brand Name:	DKK-TOA	
Model No.:	WMS-24	
Serial No.:	685940	
Equipment No.:		
Date of Calibration:	21/03/2012 and 27/03/20: Date of next Calibration:	21 June, 2012

#### **Parameters:**

Turbidity

#### Method Ref: ALPHA (21st edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.00	
4	3.86	-3.5
40	41.9	4.8
80	82.8	3.5
400	422.4	5.6
800	834.0	4.3
	Tolerance Limit (±%)	10.0

Mr Chan Kwok Fai, Godfrey Laboratory Manager Hong Kong

#### ALS Technichem (HK) Pty Ltd ALS Environmental



# ALS Technichem (HK) Pty Ltd

# **REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION**

CONTACT: MR CHI HANG LAI CLIENT: ENVIRONMENTAL PIONEERS & SOLUTIONS LTD ADDRESS: FLAT 19A, CHAI WAN INDUSTRIAL CENTRE BUILDING, 20 LEE CHUNG STREET, CHAI WAN, HONG KONG. PROJECT: -- 
 WORK ORDER:
 HK1213902

 LABORATORY:
 HONG KONG

 DATE RECEIVED:
 29/05/2012

 DATE OF ISSUE:
 15/06/2012

#### COMMENTS

It is certified that the item under calibration/checking has been calibrated/checked by corresponding calibrated equipment in the laboratory.

Maximum Tolerance and calibration frequency stated in the report, unless otherwise stated, the internal aceptance criteria of ALS will be followed.

Conductivity, Dissolved Oxygen, pH, Temperature and Turbidity
Multi-meter
DKK-TOA
WQC-24, WMS-24
682337
04/06/2012 and 13/06/2012

#### **NOTES**

This is the Final Report and supersedes any preliminary report with this batch number. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

#### **ISSUING LABORATORY: HONG KONG**

#### Address

ALS Technichem (HK) Pty Ltd

11/F Chung Shun Knitting Centre 1-3 Wing Yip Street Kwai Chung HONG KONG Phone: Fax: Email: 852-2610 1044 852-2610 2021 <u>hongkong@alsglobal.com</u>

Mr Chan Kwok Fai, Godfrey

Laboratory Manager - Hong Kong

This report may not be reproduced except with prior written approval from ALS Technichem (HK) Pty Ltd.

Page 1 of 3

ADDRESS 11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong PHONE +852 2610 1044 FAX +852 2610 2021 ALS TECHNICHEM (HK) PTY LTD Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental 🐊

www.alsglobal.com

# REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

Work Order: Date of Issue: Client: HK1213902 15/06/2012 ENVIRONMENTAL PIONEERS & SOLUTIONS LTD



Description: Brand Name: Model No.: Serial No.: Equipment No.: Date of Calibration:

Multi-meter DKK-TOA WQC-24, WMS-24 682337 --04 June, 2012

Date of next Calibration:

04 September, 2012

#### Parameters:

Conductivity

#### Method Ref: APHA (21st edition), 2510B

Expected Reading (uS/cm)	Displayed Reading (uS/cm )	Tolerance (% )
142.6	143.0	0.3
6667 12890	6510 13900	-2.4 7.8
58670	57900	-1.3
	Tolerance Limit (%)	10.0

#### pH Value

#### Method Ref: APHA (21st edition), 4500H:B

Method Ker. / I I / (215t cardon), 1500115		
Expected Reading (pH Unit)	Displayed Reading (pH Unit)	Tolerance (pH unit)
4.0	3.95	-0.05
7.0	6.94	-0.06
10.0	9.95	-0.05
	Tolerance Limit (±unit)	0.20

#### Temperature

#### Method Ref: Section 6 of International Accreditation New Zealand Technical

#### Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

Expected Reading (°C )	Displayed Reading (°C )	Tolerance (°C )
11.0	11.9	0.9
21.0	20.9	-0.1
41.0	40.5	-0.5
	Tolerance Limit (°C)	2.0

Mr Chan Kwok Fai, Godfrey Laboratory Manager - Hong Kong

# **REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION**

Work Order: HK1213902 Date of Issue: 15/06/2012 Client:





Description: Brand Name: Model No.: Serial No.: Equipment No.: ---Date of Calibration:

Multi-meter DKK-TOA WQC-24, WMS-24 682337 13 June, 2012

Date of next Calibration:

04 September, 2012

#### Parameters:

Turbidity

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.00	
4	3.80	-5.0
40	42.4	6.0
80	80.1	0.1
400	436.8	9.2
800	868.7	8.6
	Tolerance Limit (±%)	10.0

#### Dissolved Oxygen

#### Method Ref: APHA (21st edition), 45000: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)	
2.75	2.86	0.11	
4.12	4.17	0.05	
8.38	8.20	-0.18	
	Tolerance Limit (±mg/L)	0.20	

Mr Chan Kwok Fai, Godfrey Laboratory Manager Hong Kong



Certificate N	lo. 17082		Page 1 of	2 Pages
Customer	: Environmental Pioneers an	d Solutions Limited		
Address	: Flat A, 19/F., Chai Wan Inc	lustrial Centre Building, 21 Le	e Chung Street, Chai	Wan, HK.
Order No.			te of receipt :	28-Nov-11
Item Test	ed			
Description	: Protable Level-Velocity Log	jger		
Manufactur	er: Greyline	_		05
Model	: Stingray	Se	rial No. : 455	
Test Con	ditions			
Date of Tes	t: 6-Dec-11		pply Voltage :	
Ambient Te	emperature : (23 ± 3)°C	Re	lative Humidity : (50	± 25) %
Test Spe	cifications			
Calibration of Ref. Docum	check. ient/Procedure : V12, T03, M07	,		
Test Res	ults			
• •	·			
	vere within the tolerance(s).			
i ne results	are shown in the attached page	5(5).		
Main Test e	equipment used:			
	No. Description	Cert. No.	Traceal	
S179	Std. Tape	10789	NIM-PF	
S136A	Stop Watch	07481	SCL-HI	
S223	Std. Thermometer	13173	NIM-PF	RC
will not includ overloading, r for any loss o	ven in this Calibration Certificate only r e allowance for the equipment long ter nis-handling, or the capability of any o r damage resulting from the use of the	ther laboratory to repeat the measure equipment.	ement. Hong Kong Calibra	
The test equi	pment used for calibration are traceabl Its apply to the above Unit-Under-Test	e to International System of Units (S only	I).	
	$\langle \rangle$	_	The the	Alt.
Calibrated	i by :	_ Appro	ved by :	
	Y, K. Wong	Date:	7-Dec-11	)
This Contificate is	iscued by			

Hong Kong Calibration Ltd. Unit 88, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street,Kwai Chung, NT,Hong Kong. Tel: 2425 8801 Fax: 2425 8646

The copyright of this certificate is owned by Hong Kong Calibration Ltd.. It may not be reproduced except in full.



#### Certificate No. 17082

Page 2 of 2 Pages

Results :

#### 1. Flow Rate

Γ	Applied Value (Ft/s)	UUT Reading (Ft/s)	Tolerance	Uncertainty
ł	1.67	1.6	± 5 %	±1%

#### 2. Level

Applied Value (Ft)	UUT Reading (Ft)	Tolerance	Uncertainty
1.00	1.00	± 5 %	± 0.1 %
1.75	1.75		
3.00	3.00		

#### 3. Temperature

Applied Value (°C)	UUT Reading (°C)	Tolerance	Uncertainty
23.0	24	± 2 °C	± 0.2 ℃

#### Remarks : 1. UUT : Unit-Under-Test

- 2. The uncertainty claimed is for a confidence probability of not less than 95%.
- 3. Sensor Used : Model : QZ02L-UT-01-PS

S/N:10D18289

----- END -----

Appendix D: Construction Noise Monitoring Data

## **Noise Monitoring Data Sheet**

Monitoring Location		M1	AL1	
Monitoring Method		Façade	Façade	
Date of Monitoring	g	6/6/2012	6/6/2012	
Weather Conditio	n	Sunny	Sunny	
Measurement Sta	art Time (hh:mm)	12:45	13:40	
Measurement Tin	ne Length (mins)	30 r	nins	
SLM Model & S/N	1	SVAN	27302	
Wind Speed (m/s	)	0.2	0.2	
	L <sub>eq</sub> (dB(A))	64.9	60.7	
Measurement Results	L <sub>10</sub> (dB(A))	65.1	63.4	
	L <sub>90</sub> (dB(A))	59.4	58.8	
Major Construction Noise Source(s) During Monitoring		The measured noise level was dominated by the background noise in the immediate vicinity of the monitoring location due to its large distance from the construction activities	The measured noise level was dominated by the background noise in the immediate vicinity of the monitoring location due to its large distance from the construction activities	
Other Noise Source(s) During Monitoring		– Background Noise – Traffic Noise	– Background Noise – Traffic Noise	

NameSignatureDatePerpared by:Lau kai chung6/6/2012

## **Noise Monitoring Data Sheet**

Monitoring Location		M1	AL1	
Monitoring Method		Façade	Façade	
Date of Monitorin	g	13/6/2012	13/6/2012	
Weather Condition	n	Sunny	Sunny	
Measurement Sta	art Time (hh:mm)	11:20	10:45	
Measurement Tin	ne Length (mins)	30 r	nins	
SLM Model & S/N	1	SVAN	27302	
Wind Speed (m/s	)	0.2	0.3	
	L <sub>eq</sub> (dB(A))	73.2	66.3	
Measurement Results	L <sub>10</sub> (dB(A))	74.6	69.2	
	L <sub>90</sub> (dB(A))	71.5	58.6	
Major Construction Noise Source(s) During Monitoring		The measured noise level was dominated by the background noise in the immediate vicinity of the monitoring location due to its large distance from the construction activities	The measured noise level was dominated by the background noise in the immediate vicinity of the monitoring location due to its large distance from the construction activities	
Other Noise Source(s) During Monitoring		– Background Noise – Traffic Noise	– Background Noise – Traffic Noise	

NameSignatureDatePerpared by:Lau Kai ChungLau kai chung13/6/2012

## Noise Monitoring Data Sheet

Monitoring Location		M1	AL1
Monitoring Method		Façade	Façade
Date of Monitorin	g	20/6/2012	20/6/2012
Weather Condition	n	Sunny	Sunny
Measurement Sta	art Time (hh:mm)	12:45	13:20
Measurement Tin	ne Length (mins)	30 r	nins
SLM Model & S/N	1	SVAN	27302
Wind Speed (m/s	)	0.2	0.2
	L <sub>eq</sub> (dB(A))	61.2	63.5
Measurement Results	L <sub>10</sub> (dB(A))	65.2	66.8
	L <sub>90</sub> (dB(A))	54.1	61.5
Major Construction Noise Source(s) During Monitoring		The measured noise level was dominated by the background noise in the immediate vicinity of the monitoring location due to its large distance from the construction activities	The measured noise level was dominated by the background noise in the immediate vicinity of the monitoring location due to its large distance from the construction activities
Other Noise Source(s) During Monitoring		– Background Noise – Traffic Noise	– Background Noise – Traffic Noise

NameSignatureDatePerpared by:Lau Kai ChungLau kai chung20/6/2012

## **Noise Monitoring Data Sheet**

Monitoring Location		M1	AL1
Monitoring Method		Façade	Façade
Date of Monitorin	g	27/6/2012	27/6/2012
Weather Conditio	n	sunny	sunny
Measurement Sta	art Time (hh:mm)	14:00	14:35
Measurement Tin	ne Length (mins)	30 r	nins
SLM Model & S/N	1	SVAN	27302
Wind Speed (m/s	)	0.3	0.3
	L <sub>eq</sub> (dB(A))	62.1	68.4
Measurement Results	L <sub>10</sub> (dB(A))	65.4	70.3
	L <sub>90</sub> (dB(A))	51.3	65.4
Major Construction Noise Source(s) During Monitoring		The measured noise level was dominated by the background noise in the immediate vicinity of the monitoring location due to its large distance from the construction activities	The measured noise level was dominated by the background noise in the immediate vicinity of the monitoring location due to its large distance from the construction activities
Other Noise Source(s) During Monitoring		– Background Noise – Traffic Noise	– Background Noise – Traffic Noise

NameSignatureDatePerpared by:Lau Kai ChungLau kai chung27/6/2012

Appendix E: Water Quality Monitoring Data

#### Remark:

Red highlighting: The value is exceeding limit level.

Yellow highlighting: The value is exceeding action level but within limit level.

#### **Environmental Pioneers and Solutions Limited**

Date of Sampling: 1/6/2012

Weather: Sunny

Monitoring Location	W1	v	12
Time (hhmm)	10:30	10	:00
Tide Mode	Mid	-ebb	
River Condition	normal	nor	mal
Water Depth (m)	<1	<1	
pH value	7.46	7.66	
Temperature (°C)	26.6	26.8	
Turbidity (NTU)	12.7	14.6	14.6
DO (mg/L)	6.75	7.25	
DO Saturation (%)	80%	88%	
Suspended Solids (mg/L)	9.2	5.4	5.4

 Name
 Signature
 Date

 Prepared By :
 Lau kai chung
 1/6/2012

Date of Sampling : 4/6/2012

Weather: Sunny

Monitoring Location	W1	W2		
Time (hhmm)	13:00	12:30		
Tide Mode	Mid-ebb			
River Condition	Normal	Normal		
Water Depth (m)	<1	<1		
pH value	7.56	7.73		
Temperature (°C)	27.2	27.8		
Turbidity (NTU)	10.0	13.0	13.0	
DO (mg/L)	6.90	7.05		
DO Saturation (%)	84%	87%		
Suspended Solids (mg/L)	7.0	10.0	10.0	

 Name
 Signature
 Date

 Prepared By :
 Lau kai chung
 4/6/2012

Date of Sampling : 6/6/2012

Weather: Sunny

Monitoring Location	W1	W2		
Time (hhmm)	13:30	13:00		
Tide Mode	 Mid-ebb			
River Condition	Normal	Turbid		
Water Depth (m)	<1	<1		
pH value	7.10	7.40		
Temperature (°C)	26.9	27.1		
Turbidity (NTU)	13.00	10.0	11.0	
DO (mg/L)	7.30	7.15		
DO Saturation (%)	86%	85%		
Suspended Solids (mg/L)	10.0	14.0	14.0	

Date of Sampling: 8/6/2012

Weather: Sunny

Monitoring Location	W1	W2		
Time (hhmm)	15:00	15:15		
Tide Mode	Mid-ebb			
River Condition	Turbid	Normal		
Water Depth (m)	<1	<1		
pH value	7.83	8.05		
Temperature (°C)	30.4	3.1		
Turbidity (NTU)	0.9	2.9	2.9	
DO (mg/L)	6.32	6.87		
DO Saturation (%)	86%	80%		
Suspended Solids (mg/L)	2.2	8.0	8.0	

Remark or Observation :

 Name
 Signature
 Date

 Prepared By:
 Lau kai chung
 8/6/2012

Date of Sampling : 11/6/2012

Weather: Sunny

Monitoring Location	W1	W2		
Time (hhmm)	12:15	12:00		
Tide Mode	- Mid-flood			
River Condition	Turbid	Normal		
Water Depth (m)	<1	<1		
pH value	7.64	7.46		
Temperature (°C)	27.4	29.1		
Turbidity (NTU)	10.8	9.2	9.2	
DO (mg/L)	7.03	6.68		
DO Saturation (%)	86%	84%		
Suspended Solids (mg/L)	4.6	5.6	5.6	

Date of Sampling : 13/6/2012

Weather: Rainy

Monitoring Location	W1	v	12	
Time (hhmm)	9:15	9:	00	
Tide Mode	Mid	-ebb		
River Condition	Turbid	Nor	mal	
Water Depth (m)	<1	<	:1	
pH value	7.41	7.	14	
Temperature (°C)	26.1	26	3.3	
Turbidity (NTU)	40.1	29.0	29.0	
DO (mg/L)	6.93	7.04		
DO Saturation (%)	75%	82%		
Suspended Solids (mg/L)	27.0	16.0	16.0	

 Name
 Signature
 Date

 Prepared By :
 Lau kai chung
 13/6/2012

Date of Sampling : 15/6/2012

Weather: Sunny

Monitoring Location	W1	v	12	
Time (hhmm)	10:15	10	:00	
Tide Mode	Mid	-ebb		
River Condition	Normal	Nor	mal	
Water Depth (m)	<1	<	:1	
pH value	7.46	7.	13	
Temperature (°C)	27.5	28	3.2	
Turbidity (NTU)	12.9	15.4	15.4	
DO (mg/L)	6.79	7.04		
DO Saturation (%)	77%	84%		
Suspended Solids (mg/L)	9.4	5.0	5.0	

 Name
 Signature
 Date

 Prepared By :
 Lau kai chung
 15/6/2012

Date of Sampling : 18/6/2012

Weather: Rainy

Monitoring Location	W1	v	12	
Time (hhmm)	13:15	13	:00	
Tide Mode	Mid	-ebb		
River Condition	Turbid	Nor	mal	
Water Depth (m)	<1	<	:1	
pH value	7.39	7.	02	
Temperature (°C)	27.1	27	7.6	
Turbidity (NTU)	37.7	25.9	25.9	
DO (mg/L)	6.86	6.79		
DO Saturation (%)	84%	86%		
Suspended Solids (mg/L)	18.0	12.0	12.0	

 Name
 Signature
 Date

 Prepared By :
 Lau kai chung
 18/6/2012

Date of Sampling : 20/6/2012

Weather: Sunny

Monitoring Location	W1	v	12	C2		
Time (hhmm)	11:10	12	:35	12:00		
Tide Mode	Mid	-ebb		N/A		
River Condition	Normal	Nor	mal	Normal		
Water Depth (m)	<1	<	:1	<1		
pH value	7.10	7.	55	8.10		
Temperature (°C)	34.3	28	3.4	33.7		
Turbidity (NTU)	2.1	4.4 4.4		4.4 4.4		1.9
DO (mg/L)	4.20	7.6	69	4.50		
DO Saturation (%)	60%	93%		63%		
Suspended Solids (mg/L)	3.0	8.4	8.4	4.0		

 Name
 Signature
 Date

 Prepared By :
 Lau kai chung
 20/6/2012

Date of Sampling : 22/6/2012

Weather: Rainy

Monitoring Location	W1	v	W2 C2	
Time (hhmm)	11:15	13	:40	10:50
Tide Mode	Mid	-ebb		N/A
River Condition	Normal	Normal		Normal
Water Depth (m)	<1	<1		<1
pH value	6.40	7.	15	8.50
Temperature (°C)	29.2	28.1		29
Turbidity (NTU)	15.5	7.5 7.5		3.3
DO (mg/L)	4.60	7.3	35	4.70
DO Saturation (%)	60%	91%		61%
Suspended Solids (mg/L)	13.0	10.0	10.0	2.0

Date of Sampling: 25/6/2012

Weather: Sunny

Monitoring Location	W1	v	W2 C2	
Time (hhmm)	15:00	15	:00	9:40
Tide Mode	Mid	-ebb		N/A
River Condition	Normal	Nor	mal	Normal
Water Depth (m)	<1	<1		<1
pH value	7.00	7.	51	8.30
Temperature (°C)	29.7	28	3.2	30.1
Turbidity (NTU)	9.0	2.7 2.7		2.8
DO (mg/L)	4.60	7.:	35	4.80
DO Saturation (%)	60%	87%		64%
Suspended Solids (mg/L)	6.0	4.6	4.6	3.0

Remark or Observation :

<u>Name</u>

<u>Signature</u>

Date

Prepared By : Lau kai chung Lau kai chung

25/6/2012

Date of Sampling : 27/6/2012

Weather: Sunny

Monitoring Location	W1	v	12	C1
Time (hhmm)	12:30	13	:20	13:25
Tide Mode		Mid-	flood	
River Condition	Turbid	Tu	rbid	Normal
Water Depth (m)	<1	<1 <1		<1
pH value	7.80	7.14		7.67
Temperature (°C)	31.3	28	3.6	29.2
Turbidity (NTU)	4.7	6.0 6.0		4.9
DO (mg/L)	4.40	7.26		7.40
DO Saturation (%)	59%	90%		92%
Suspended Solids (mg/L)	6.0	5.4 5.4		4.8

Date of Sampling : 29/6/2012

Weather: Sunny

Monitoring Location	W1	v	12	C2
Time (hhmm)	9:30	15	:00	9:45
Tide Mode	Mid	-ebb		N/A
River Condition	Turbid	Tu	rbid	
Water Depth (m)	<1	<	:1	<1
pH value	7.50	7.	21	8.50
Temperature (°C)	32.1	28	3.2	31.8
Turbidity (NTU)	8.2	6.	1	3.7
DO (mg/L)	4.10	6.9	99	4.20
DO Saturation (%)	56%	77	7%	57%
Suspended Solids (mg/L)	10.0	8.0	8.0	3.0

 Name
 Signature
 Date

 Prepared By :
 Lau kai chung
 29/6/2012

Appendix F: Hydrological Characteristics Monitoring Data

Location	Position	Tide	Date**	Time	Weather	Water Depth (m)*	Water Flow (m/s)	Water Flow (m <sup>3</sup> /s)
H1	Mid	Flood	1-Jun-2012	15:35	Sunny	0.12	0.06	0.075
H1	Mid	Flood	8-Jun-2012	9:35	Sunny	0.36	0.12	0.150
H1	Mid	Flood	15-Jun-2012	15:35	Sunny	0.18	0.06	0.075
H1	Mid	Flood	22-Jun-2012					0.000
H1	Mid	Flood	29-Jun-2012	15:30	Sunny	0.18	0.12	0.150
H2	Mid	Flood	1-Jun-2012	16:00	Sunny	0.18	0.06	0.377
H2	Mid	Flood	8-Jun-2012	10:00	Sunny	0.24	0.12	0.754
H2	Mid	Flood	15-Jun-2012	15:50	Sunny	0.12	0.06	0.377
H2	Mid	Flood	22-Jun-2012					0.000
H2	Mid	Flood	29-Jun-2012	15:45	Sunny	0.18	0.12	0.754
H1	Mid	Ebb	1-Jun-2012	10:35	Sunny	0.12	0.12	0.150
H1	Mid	Ebb	8-Jun-2012	15:05	Sunny	0.48	0.24	0.300
H1	Mid	Ebb	15-Jun-2012	10:20	Sunny	0.18	0.06	0.075
H1	Mid	Ebb	22-Jun-2012	13:30	Rainy	0.36	0.06	0.075
H1	Mid	Ebb	29-Jun-2012	9:15	Sunny	0.12	0.04	0.050
H2	Mid	Ebb	1-Jun-2012	10:50	Sunny	0.12	0.18	0.225
H2	Mid	Ebb	8-Jun-2012	15:30	Sunny	0.18	0.12	0.754
H2	Mid	Ebb	15-Jun-2012	10:30	Sunny	0.24	0.12	0.754
H2	Mid	Ebb	22-Jun-2012	13:10	Rainy	0.3	0.24	1.507
H2	Mid	Ebb	29-Jun-2012	9:30	Sunny	0.12	0.12	0.754

\* : Since the water levels were too low for the depth detector to determine, a tape measure was used for estimation.

\*\*: Only one mid-tide is within working hours on 22 Jun 2012.

Appendix G: Landscape and Visual Monitoring Photos



Photo 1 – A temporary hoarding was
established to surround the works area at Wai
Ha River estuary.



Photo 2 – A temporary hoarding was established to surround Area B within Tung Tsz Nursery.





Photo 3 – A new section of temporary hoarding has been erected from southwest to eastern parts of the Tung Tsz Nursery. **Photo 4** – No polluted water was observed in the pond of the ECA and the adjacent Wai Ha River.



Photo 5 – Overall view of the transplanted treePhoto 6 – Temporarily stored constructionU58 Grevillea robusta. New leaves werematerials were still observed within the TPZs inobserved on the tree branches and trunk.Area A.

**Environmental Pioneers and Solutions Limited** 



**Photo 7** – Temporarily stored construction materials were still observed within the TPZs in Area A.

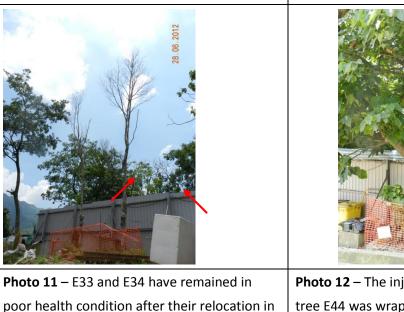
**Photo 8** – Sheet piling work was observed within the TPZs at the southwestern part of Area A.





**Photo 9** – Sheet piling work was observed within the TPZs at the southwestern part of Area A.

**Photo 10** – E22 has remained in poor health condition after its relocation in Area A.



**Photo 12** – The injured part of the retained tree E44 was wrapped by burlap and more watersprouts was found near the wound.

Area A.



**Photo 13** – E63 was found suffered from mechanical damage on its branch and the broken branch was still overhanging in the canopy.

**Photo 14** – Declining health condition of U34 in Area B.





**Photo 15** – Declining health condition of U35 in Area B.

**Photo 16** – Declining health condition of U37 in Area B.



Photo 17 - Relocated trees were unable to bePhoto 18 - Relocated trees were unable to beassessed closely due to the construction ofassessed closely due to the construction ofthe box culvert.the box culvert.



Photo 19 - Relocated trees were unable to be assessed closely due to the construction of the box culvert.

Photo 20 – A43 was found being pruned.



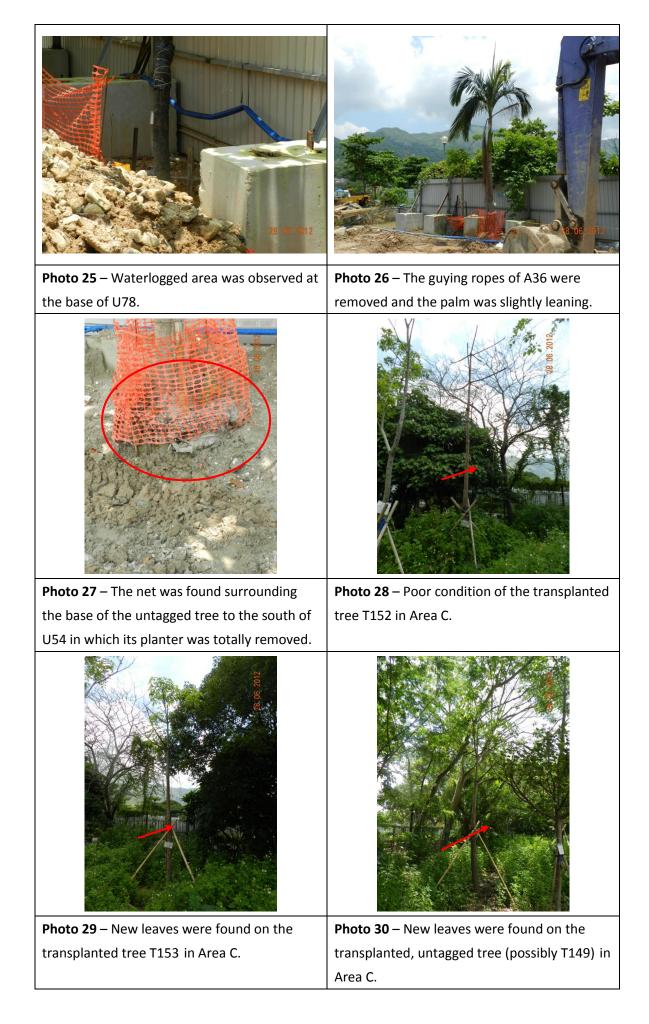


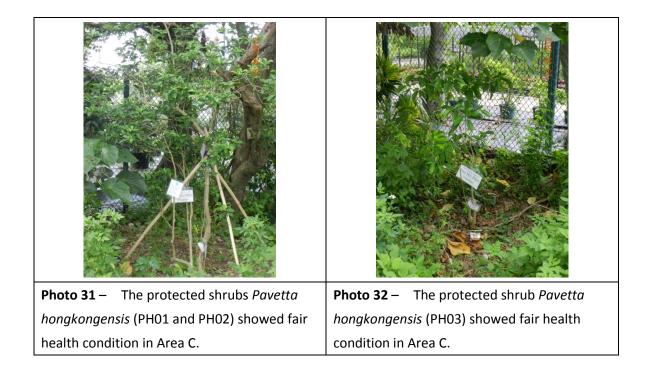
Photo 21 – A22 was found being pruned.

Photo 22 – Untagged tree was found being pruned.



the base of U76. the base of U77.





Appendix H:

A)

The recommended mitigation measures of EM&A manual (revision 3)

B)

Implementation status of environmental protection and mitigation measures

# A) The recommended mitigation measures of EM&A manual (revision 3)

EIA Ref. A	EM&A Ref.	Recommended Mitigation Measures Noise Impact		Who to implement the measure?	Location of the measure	When to implement the measure?	What requirements or standards for the measure to achieve?
S 3.30	2.18	Good Site Practice:	To minimize construction	Contractor	Works areas	Construction	EIAO-TM
	_		noise impacts			phase	NCO
		<ul> <li>Only well-maintained plant shall</li> </ul>					
		be operated on-site and plant shall					
		be serviced regularly during the					
		construction program					
		<ul> <li>Silencers or mufflers on</li> </ul>					
		construction equipment shall be					
		utilized and shall be properly					
		maintained during the construction					
		program					
		<ul> <li>Mobile plant, if any, shall be sited</li> </ul>					
		as far from NSRs as possible					
		<ul> <li>Machines and plant (such as</li> </ul>					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		trucks) that may be in intermittent					
		use shall be shut down between					
		work periods or shall be throttled					
		down to a minimum					
		<ul> <li>Plant known to emit noise</li> </ul>					
		strongly in one direction shall,					
		wherever possible, be orientated so					
		that the noise is directed away from					
		the nearby NSRs					
		<ul> <li>Material stockpiles and other</li> </ul>					
		structures shall be effectively					
		utilized, wherever practicable, in					
		screening noise from on-site					
		construction activities.					
S 3.31 -	2.19	Use of quieter PME	To minimize construction	Contractor	Works areas	Construction	EIAO-TM
3.32			noise impacts			phase	NCO
S 3.33 –	2.20-2.	Use of temporary noise barrier	To minimize construction	Contractor	Works areas as	Construction	EIAO-TM
3.34	21		noise impacts		shown in Figure	phase	NCO

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
3.36-3.3	2.23-2.				3.5		
8	24						
S 3.35	2.22	Use of alternative quieter	To minimize construction	Contractor	Part of the works	Construction	EIAO-TM
and		construction method (the Low	noise impacts		area for pipe	phase	NCO
Table		Impact Method)			laying in Wai Ha		
3.6					(refer to Figure		
					3.5)		
3.36	2.23-2.	Use of noise enclosure	To minimize construction	Contractor	Part of the works	Construction	EIAO-TM
-3.38	24		noise impacts		area for pipe	phase	NCO
					laying in Wai Ha		
					(refer to Figure		
					3.5)		
В		Air Quality Impact					
S4.16	3.5	Implementation of mitigation	To minimize construction	Contractor	Construction	Construction	EIAO-TM
		measures stipulated in the Air	dust impacts		Sites	Phase	
		Pollution Control (Construction Dust)					
		Regulation and good site practices					
		including but not limited to the					
		following:					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		<ul> <li>Use of regular watering to reduce</li> </ul>					
		dust emissions from exposed site					
		surfaces and unpaved road, with					
		complete coverage, particularly					
		during dry weather;					
		<ul> <li>Use of frequent watering for</li> </ul>					
		particularly dusty static construction					
		areas and areas close to ASRs;					
		<ul> <li>Tarpaulin covering of all dusty</li> </ul>					
		vehicle loads transported to, from					
		and between site location;					
		<ul> <li>Establishment and use of vehicle</li> </ul>					
		wheel and body washing facilities at					
		the exit points of the site;					
		<ul> <li>Routing of vehicles and</li> </ul>					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		positioning of construction plant					
		should be at the maximum possible					
		distance from ASRs.					
		<ul> <li>Stockpiled excavated materials</li> </ul>					
		should be covered with tarpaulin,					
		and should be removed off-site					
		within 24 hours to avoid any odour					
		nuisance arising.					
С		Water Quality Impact		1		1	
S5.29	4.5	Construction Site Run-off and	To minimize water quality	Contractor	Works sites	Construction	ProPECC PN 1/94
		Drainage:	impacts			phase	Construction Site
							Drainage
		<ul> <li>Before commencing any site</li> </ul>					
		formation work, all sewer and					
		drainage connections shall be					
		sealed to prevent debris, soil, sand					
		etc. from entering public					

EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
		Main Concern to Address	measure?		measure?	measure to
						achieve?
	sewers/drains.					
	<ul> <li>Temporary ditches shall be</li> </ul>					
	provided to facilitate run-off					
	discharge into appropriate					
	watercourses, via a silt retention					
	pond. No site run-off shall enter the					
	fishponds at Shuen Wan.					
	<ul> <li>Sand/silt removal facilities such</li> </ul>					
	as sand traps, silt traps and					
	sediment basins shall be provided to					
	remove sand/silt particles from					
	runoff to meet the requirements of					
	the Technical Memorandum					
	standard under the Water Pollution					
	Control Ordinance. The design of					
	silt removal facilities shall be based					
	on the guidelines provided in					
	ProPECC PN 1/94. All drainage					
	Ref.	<ul> <li>sewers/drains.</li> <li>Temporary ditches shall be provided to facilitate run-off discharge into appropriate watercourses, via a silt retention pond. No site run-off shall enter the fishponds at Shuen Wan.</li> <li>Sand/silt removal facilities such as sand traps, silt traps and sediment basins shall be provided to remove sand/silt particles from runoff to meet the requirements of the Technical Memorandum standard under the Water Pollution Control Ordinance. The design of silt removal facilities shall be based on the guidelines provided in</li> </ul>	Main Concern to Address         sewers/drains.         • Temporary ditches shall be provided to facilitate run-off discharge into appropriate watercourses, via a silt retention pond. No site run-off shall enter the fishponds at Shuen Wan.         • Sand/silt removal facilities such as sand traps, silt traps and sediment basins shall be provided to remove sand/silt particles from runoff to meet the requirements of the Technical Memorandum standard under the Water Pollution Control Ordinance. The design of silt removal facilities shall be based on the guidelines provided in	Main Concern to Address       measure?         sewers/drains.       • Temporary ditches shall be       •         provided to facilitate run-off       discharge into appropriate       •         watercourses, via a silt retention       pond. No site run-off shall enter the       •         fishponds at Shuen Wan.       •       Sand/silt removal facilities such       •         as sand traps, silt traps and       sediment basins shall be provided to       •       •         remove sand/silt particles from       runoff to meet the requirements of       •       •         the Technical Memorandum       standard under the Water Pollution       •       Control Ordinance. The design of       •         silt removal facilities shall be based       on the guidelines provided in       •       •       •	Main Concern to Address       measure?         sewers/drains.       -         • Temporary ditches shall be provided to facilitate run-off discharge into appropriate watercourses, via a silt retention pond. No site run-off shall enter the fishponds at Shuen Wan.       -         • Sand/silt removal facilities such as sand traps, silt traps and sediment basins shall be provided to remove sand/silt particles from runoff to meet the requirements of the Technical Memorandum standard under the Water Pollution Control Ordinance. The design of silt removal facilities shall be based on the guidelines provided in       -	Main Concern to Address       measure?       measure?         sewers/drains.       • Temporary ditches shall be provided to facilitate run-off discharge into appropriate watercourses, via a silt retention pond. No site run-off shall enter the fishponds at Shuen Wan.       • Sand/silt removal facilities such as sand traps, silt traps and sediment basins shall be provided to remove sand/silt particles from runoff to meet the requirements of the Technical Memorandum standard under the Water Pollution Control Ordinance. The design of silt removal facilities shall be based on the guidelines provided in       • Naise and traps and t

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		facilities and erosion and sediment					
		control structures shall be inspected					
		monthly and maintained to ensure					
		proper and efficient operation at all					
		times and particularly during					
		rainstorms.					
		<ul> <li>Water pumped out from</li> </ul>					
		excavated pits shall be discharged					
		into silt removal facilities.					
		<ul> <li>During rainstorms, exposed</li> </ul>					
		slope/soil surfaces shall be covered					
		by a tarpaulin or other means.					
		Other measures that need to be					
		implemented before, during, and					
		after rainstorms as summarized in					
		ProPECC PN 1/94 shall be followed.					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		<ul> <li>Exposed soil areas shall be</li> </ul>					
		minimized to reduce potential for					
		increased siltation and					
		contamination of runoff.					
		<ul> <li>Earthwork final surfaces shall be</li> </ul>					
		well compacted and subsequent					
		permanent work or surface					
		protection shall be immediately					
		performed to reduce the potential of					
		soil erosion.					
		<ul> <li>Open stockpiles of construction</li> </ul>					
		materials or construction wastes					
		on-site shall be covered with					
		tarpaulin or similar fabric during					
		rainstorms.					
S5.30	4.7	Further precautionary measures	To minimize water quality	Contractor	Works areas near	Rainy seasons	EIAO-TM
		during rainy season:	impacts to the designated		the Conservation	during	Water Pollution
			Conservation Area		Area	construction	Control Ordinance

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		<ul> <li>For the construction of the box</li> </ul>				phase	(WPCO)
		culvert next to the existing channel					
		of the Wai Ha River, sand bags					
		should be deployed around the					
		boundary of the works trench to					
		prevent muddy water ingress into					
		the adjacent CA or Wai Ha River.					
		Sand bags should also be used to					
		surround the excavated trench.					
		Generally, the sand bags will be					
		placed up to a height of 300mm to					
		provide adequate allowance for the					
		built-up water level during rainstorm					
		event. With sand bags in place,					
		surface runoff will be intercepted					
		and flow to Wai Ha River or					
		collected by the existing drainage					
		system as usual. For the construction of the box					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		culvert in the extreme northeast corner of Shuen Wan Marsh					
		Conservation Area sand bags					
		should be deployed along the limit					
		of the works area to prevent muddy water ingress into the CA. Sand					
		bags should be placed to a height					
		of at least 300mm from ground level and +2.5 mPD (whichever is					
		greater) to provide adequate allowance for the built-up water					
		level during rainstorm events.					
		Unpolluted surface runoff within the					
		works area should then be					
		collected and directed into the					
		existing drainage system.					
		<ul> <li>Sheet-piles, which would be</li> </ul>					
		installed around the works trench					
		near the Conservation Area, would					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		be extended above ground level for					
		about 2m to serve as hoardings to					
		isolate the works site.					
		<ul> <li>Tarpulin sheets would be used to</li> </ul>					
		cover the excavation areas during					
		heavy rainstorms. This would					
		prevent the ingress of rainwater into					
		the trench minimising the risk of					
		muddy water getting into Wai Ha					
		River and the adjacent Conservation					
		Area.					
		<ul> <li>Any concrete washing water</li> </ul>					
		would be contained inside the works					
		site surrounded by the extended					
		sheet piles. A pump sump at the					
		bottom of the trench would be					
		provided to pump any excess water					
		during concrete washing.					
L							

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		<ul> <li>Stockpiling the excavated</li> </ul>					
		materials adjacent to the					
		Conservation Area would not be					
		allowed. The excavated materials					
		would be either removed off site					
		immediately after excavation, or					
		stockpile at location(s) away from					
		the Conservation Area. The					
		stockpile locations shall be					
		approved by the site engineer.					
S5.31-S	4.8-4.9	General Construction Activities:	To minimize water quality	Contractor	Works sites	Construction	EIAO-TM
5.32		<ul> <li>Debris and refuse generated</li> </ul>	impacts			phase	WPCO
		on-site should be collected, handled					
		and disposed of properly to avoid					
		entering the Wa Ha River and fish					
		ponds at Shuen Wan. Stockpiles					
		of cement and other construction					
		materials should be kept covered					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		when not being used.					
		<ul> <li>Oils and fuels should only be</li> </ul>					
		used and stored in designated areas					
		which have pollution prevention					
		facilities. To prevent spillage of					
		fuels and solvents to nearby water					
		bodies, all fuel tanks and storage					
		areas should be provided with locks					
		and be sited on sealed areas, within					
		bunds of a capacity equal to 110%					
		of the storage capacity of the largest tank. The bund should be drained					
		of rainwater after a rain event.					
S5.33	4.10	Sewage from Construction	To minimize water quality	Contractor	Works sites	Construction	EIAO-TM
		workforce:	impacts			phase	WPCO
		<ul> <li>Temporary sanitary facilities,</li> </ul>					
		such as portable chemical toilets,					
		should be employed on-site. A					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		licensed contractor would be					
		responsible for appropriate disposal					
		and maintenance of these facilities.					
S5.34	4.11	River Channel Excavation Works:	To minimize water quality	Contractor	Works sites	Construction	EIAO-TM
			impacts			phase	WPCO
		The excavation works within the					
		upstream end of the existing river					
		channel of the Wai Ha River for the					
		construction of the proposed box					
		culvert shall be carried out in dry					
		condition. Containment					
		measures such as bunds and					
		barriers shall be used within the					
		affected length of the river channel					
		and the excavation works restricted					
		to within an enclosed dry section of					
		the channel. The excavation works					
		within Wai Ha River shall be					
		restricted to the period from October					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		to April.					
D		Waste Management Implications					
S6.20 –	5.5	Good site practices:	To reduce waste	Contractor	Works sites	Construction	ETWB TCW
6.22			management impacts			phase	No.19/2005
		<ul> <li>Nomination of approved</li> </ul>					ETWB TCW
		personnel, such as a site manager,					No.31/2004
		to be responsible for good site					
		practices and making arrangements					
		for collection of all wastes generated					
		at the site and effective disposal to					
		an appropriate facility.					
		<ul> <li>Training of site personnel in</li> </ul>					
		proper waste management and					
		chemical waste handling					
		procedures.					
		<ul> <li>Provision of sufficient waste</li> </ul>					
		disposal points and regular					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		collection for disposal.					
		<ul> <li>Appropriate measures to</li> </ul>					
		minimise windblown litter and dust					
		during transportation of waste by					
		either covering trucks or by					
		transporting wastes in enclosed					
		containers.					
		<ul> <li>Separation of chemical waste for</li> </ul>					
		special handling and appropriate					
		treatment at the Chemical Waste					
		Treatment Facility.					
		<ul> <li>Regular cleaning and</li> </ul>					
		maintenance programme for					
		drainage systems, sumps and oil					
		interceptors.					
		<ul> <li>A Waste Management Plan</li> </ul>					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		should be prepared and submitted to					
		the Engineer for approval. One					
		may make reference to ETWB TCW					
		No. 15/2003 for details.					
		<ul> <li>A recording system for the</li> </ul>					
		amount of wastes generated,					
		recycled and disposed (including the					
		disposal sites) should be proposed.					
S6.23-	5.7	Waste reduction measures:	To achieve waste reduction	Contractor	Works sites	Construction	EIAO-TM
6.24						phase	
		<ul> <li>Segregation and storage of</li> </ul>					
		different types of waste in different					
		containers, skips or stockpiles to					
		enhance reuse or recycling of					
		materials and their proper disposal.					
		<ul> <li>To encourage collection of</li> </ul>					
		aluminium cans by individual					
		collectors, separate labelled bins					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		shall be provided to segregate this					
		waste from other general refuse					
		generated by the work force.					
		<ul> <li>Any unused chemicals or those</li> </ul>					
		with remaining functional capacity					
		shall be recycled.					
		<ul> <li>Maximising the use of reusable</li> </ul>					
		steel formwork to reduce the amount					
		of C&D material.					
		<ul> <li>Proper storage and site practices</li> </ul>					
		to minimise the potential for damage					
		or contamination of construction					
		materials.					
		<ul> <li>Plan and stock construction</li> </ul>					
		materials carefully to minimise					
		amount of waste generated and					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		avoid unnecessary generation of					
		waste.					
S6.25-		Construction & Demolition (C&D)	To minimize off-site disposal	Contractor	Works sites	Construction	EIAO-TM
6.26		Material:	of C&D material			phase	
		Excavated material with suitable	To minimize environmental				
		characteristics/size should be	impacts during the handling				
		reused on-site as fill material as far	of C&D material				
		as practicable, such as for					
		backfilling of the box culvert and					
		drainage pipe works.					
		<ul> <li>Suitable areas should be</li> </ul>					
		designated within the works site					
		boundaries for temporary stockpiling					
		of C&D material.					
		<ul> <li>Within stockpile areas, the</li> </ul>					
		following measures should be taken					
		to control potential environmental					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		impacts or nuisance:					
		- covering material during					
		heavy rainfall;					
		- locating stockpiles to minimize					
		potential visual impacts; and					
		- minimizing land intake of					
		stockpile areas as far as possible.					
		• When disposing C&D material at					
		a public filling area, the material					
		shall only consist of soil, rock,					
		concrete, brick, cement					
		plaster/mortar, inert building debris,					
		aggregates and asphalt. The					
		material shall be free from marine					
		mud, household refuse, plastic,					
		metals, industrial and chemical					
		waste, animal and vegetable matter,					
		and other material considered to be					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		unsuitable by the Filling Supervisor.					
S6.27		Chemical waste:	To minimize environmental	Contractor	Works sites	Construction	EIAO-TM
		<ul> <li>Contractor should register with</li> </ul>	impacts during the handling,			phase	Waste Disposal
		the EPD as a Chemical Waste	transportation and disposal				(Chemical Waste)
		Producer and to follow the	of chemical waste				(General) Regulation
		guidelines stated in the Code of					
		Practice on the Packaging,					
		Labelling and Storage of Chemical					
		Wastes.					
		<ul> <li>Good quality containers</li> </ul>					
		compatible with the chemical					
		wastes should be used, and					
		incompatible chemicals should be					
		stored separately.					
		<ul> <li>Appropriate labels should be</li> </ul>					
		securely attached on each chemical					
		waste container indicating the					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		corresponding chemical					
		characteristics of the chemical					
		waste, such as explosives,					
		flammable, oxidizing, irritant, toxic,					
		harmful, corrosive, etc.					
		<ul> <li>The Contractor should use a</li> </ul>					
		licensed collector to transport and					
		dispose of the chemical wastes					
		generated at the Chemical Waste					
		Treatment Centre at Tsing Yi, or					
		other licenced facility, in accordance					
		with the Waste Disposal (Chemical					
		Waste) (General) Regulation.					
S6.28		General refuse:	To minimize environmental	Contractor	Works sites	Construction	EIAO-TM
		It should be stored in enclosed	impacts during the handling			phase	
			and transportation of general				
			refuse				
		<ul> <li>A reputable waste collector</li> </ul>					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		should be employed by the					
		contractor to remove general refuse					
		from the site, separately from C&D					
		material.					
		An enclosed and covered area					
		is preferred to reduce the					
		occurrence of 'wind blown' light					
		material.					
E		Ecological Impact					
S. 7.95	6.6	<ul> <li>Sheet-pilings, which will be</li> </ul>	To minimize the impacts on	Contractor	Whole site	Construction	EIAO-TM
		installed around the trench of	the stream and natural river			Phase	
		excavation, should be extended	bank				
		above ground level for ~2m to act as					
		hoarding to isolate the works site.					
		<ul> <li>The trenching works for the</li> </ul>					
		construction of the proposed box					
		culvert should be carried out in					
		phases, with a trench length of not					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		more than 120m in each phase.					
		The trench should be backfilled and					
		compacted with suitable materials					
		upon completion of each phase of					
		the construction works.					
S7.117	6.6	<ul> <li>The construction of intercept</li> </ul>	To minimize the impacts on	Contractor	Whole site	Construction	EIAO-TM
		point of twin cell box culvert at the	the stream and natural river			Phase	
		upstream of Wai Ha River should be	bank				
		confined to only one side of the river					
		bank.					
		<ul> <li>To restore and enhance the</li> </ul>					
		ecological value of the stream, the					
		affected river bank should be					
		reinstated to its original condition or					
		lined with rock-filled gabion.					
		<ul> <li>Planting pits should be provided</li> </ul>					
		in the gabion bank to allow the					
		re-establishment of riparian					
		vegetation.					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		<ul> <li>The existing natural riverbed and</li> </ul>					
		substrates should be retained and					
		the natural pool-riffle sequence					
		should be re-created in the new					
		channel bed.					
S 7.118	6.7	<ul> <li>All works carried out within the</li> </ul>	To minimise sedimentation/	Contractor	Whole Site	Construction	EIAO-TM
		the river channel of Wai Ha River	water quality impacts			Phase	
		should be carried out from October					
		to April, with construction carried out					
		by land-based plant.					
		<ul> <li>Works within river/stream</li> </ul>					
		channels should be restricted to an					
		enclosed dry section of the river,					
		with containment measures such as					
		bunds and barriers used within the					
		river to minimize the impacts upon					
		the downstream water body.					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		<ul> <li>Site runoff should be directed</li> </ul>					
		towards regularly cleaned and					
		maintained silt traps and oil/grease					
		separators to minimize the risk of					
		sedimentation and pollution of river					
		water.					
		<ul> <li>The silt and oil/grease separators</li> </ul>					
		should be appropriately designed for					
		the local drainage and ground					
		conditions.					
		<ul> <li>To minimize leakage and loss of</li> </ul>					
		sediments during excavation in					
		narrow channels, tightly sealed					
		closed grab excavators should be					
		deployed where material to be					
		handled is wet.					
S 7.119	6.8	<ul> <li>The construction of the</li> </ul>	To protect plant species of	Contractor/	Whole site	Construction	EIAO-TM
		proposed box-culvert would have the	conservation interest	qualified		Phase	
		potential to directly impact a few		botanist/horticu			

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		individual of a plant species of		lturalist			
		conservation interest (Hong Kong					
		Pavetta, Pavetta hongkongensis).					
		The affected individuals should be					
		transplanted to a suitable nearby					
		habitats prior to the construction					
		phase.					
		<ul> <li>A detailed vegetation survey of</li> </ul>					
		the affected species of conservation					
		interest should be conducted by a					
		suitably qualified botanist/ecologist					
		to identify the affected individuals in					
		order to provide details for					
		transplantation scheme.					
		<ul> <li>Transplantation should be</li> </ul>					
		supervised by a suitably qualified					
		botanist/horticulturalist. A detailed					
		transplantation methodology should					
		be formulated during the detailed					
		design stage of this Project.					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
S 7.120	6.9	<ul> <li>Noise mitigation measures such</li> </ul>	To minimise disturbance	Contractor	Whole site	Construction	EIAO-TM
		as the use of quieter construction	impacts.			Phase	
		plant and temporary noise barriers					
		should be implemented to minimize					
		disturbance to habitats adjacent to					
		the works areas.					
		<ul> <li>Temporary noise barriers should</li> </ul>					
		be used during the construction of					
		the box-culvert along Tung Tsz					
		Road, the floodwater pumping					
		station, the mechanical gate, and					
		drainage pipe to minimize potential					
		construction phase disturbance to					
		ardeids and avifauna foraging in					
		marsh habitat.					
		<ul> <li>Noise generating construction</li> </ul>					
		works near the Shuen Wan Egretry					
		SSSI should be avoided as far as					
		practicable during the breeding					
		season (March to June) of the					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		ardeids.					
		<ul> <li>Works near the SSSI (i.e.</li> </ul>					
		installation of mechanical gate)					
		should be restricted to be executed					
		outside the breeding season by					
		provision of special conditions in the					
		contract document.					
		<ul> <li>Hoardings with minimum height</li> </ul>					
		of 2m should be set up along the					
		south side of the proposed box					
		culvert works area adjacent to the					
		marsh, extending at least 20m at					
		both ends, throughout the					
		construction period.					
S 7.121	6.10	<ul> <li>Placement of equipment or</li> </ul>	To minimise disturbance to	Contractor	Whole site	Construction	EIAO-TM
		stockpile in designated works areas	habitats.			Phase	
		and access routes selected on					
		existing disturbed land to minimise					
		disturbance to natural or					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		moderate-high ecological value					
		habitats.					
S 7.121	6.10	<ul> <li>Construction activities should be</li> </ul>	To minimise disturbance to	Contractor	Whole site	Construction	EIAO-TM
		restricted to work areas that would	natural habitats outside			Phase	
		be clearly demarcated. The work	works area.				
		areas should be reinstated after					
		completion of the works.					
S 7.121	6.10	<ul> <li>Waste skips should be provided</li> </ul>	To minimise disturbance to	Contractor	Whole site	Construction	EIAO-TM
		to collect general refuse and	habitats.			Phase	
		construction wastes. The wastes					
		would be disposed of timely and					
		properly off-site.					
S 7.121	6.10	General drainage arrangements	To minimise sedimentation/	Contractor	Whole site	Construction	EIAO-TM
		should include sediment and oil	water quality impacts			Phase	
		traps to collect and control					
		construction site run-off.					
S 7.121	6.10	<ul> <li>Open burning on works sites is</li> </ul>	To prevent accidental	Contractor	Whole site	Construction	EIAO-TM
		illegal, and should be strictly	hill-fires.			Phase	
		prohibited.					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
S 7.122	6.11	<ul> <li>De-silting should be limited to the</li> </ul>	To minimise sedimentation/	Maintenance	Whole site	Operation	EIAO-TM
		dry season.	water quality impacts	parties of the		Phase	
				channel			
S 7.122	6.11	<ul> <li>Waste material produced during</li> </ul>	To minimise sedimentation/	Maintenance	Whole site	Operation	EIAO-TM
		de-silting should be disposed of in a	water quality impacts	parties of the		Phase	
		timely and appropriate manner.		channel			
S 7.123	6.12	<ul> <li>Planting of trees should be</li> </ul>	To compensate the loss of	Contractor	Whole site	Construction	EIAO-TM
		provided within the project area to	vegetation			Phase	
		compensate for the unavoidable					
		loss of approximately 0.08ha					
		secondary woodland habitat due to					
		the Project.					
		<ul> <li>Planting of trees and other</li> </ul>					
		vegetation within project area along					
		the banks of Wai Ha River and Tung					
		Tsz Road should be carried out to					
		provide compensation for					
		unavoidable tree-felling and loss of					
		riparian vegetation resulting from the					

EIA Ref.	EM&A	Recommended Mitigation	Objectives of the	Who to	Location of the	When to	What requirements
	Ref.	Measures	Recommended Measure &	implement the	measure	implement the	or standards for the
			Main Concern to Address	measure?		measure?	measure to
							achieve?
		Project.					
		<ul> <li>The compensatory planting</li> </ul>					
		should make use of native plant					
		species with flowers/fruits attractive					
		to wildlife.					
S 7.124	6.13	<ul> <li>Compensation would be required</li> </ul>	To compensate the loss of	Contractor /	The recreational	Construction	EIAO-TM
		for the loss of a small area of marsh	marsh habitat and enhance	qualified	fish pond located	Phase	
		habitat (about 0.30ha) within the CA	the quality compensatory	ecologist	to the southwest		
		resulting from the construction of the	habitat		of the existing		
		box-culvert.			Tung Tsz Nursery		
		<ul> <li>An existing low ecological value</li> </ul>					
		recreational fishpond on government					
		land adjacent to the marsh would be					
		used as a proposed area (about					
		0.8ha) for the compensation for the					
		marsh as well as secondary					
		woodland habitats loss (0.08ha).					
		<ul> <li>The pond should be enhanced</li> </ul>					
		by removing boardwalks around the					

EIA Ref. E	•	Recommended Measure &	Who to implement the measure?	Location of the measure	When to implement the measure?	What requirements or standards for the measure to achieve?
	<ul> <li>existing pond, and restoring</li> <li>vegetation along the pond bunds,</li> <li>and it would be re-profiled to provide</li> <li>areas of shallow water</li> <li>(approximately 15-50cm deep),</li> <li>creating a suitable foraging habitat</li> <li>for avifauna, particularly ardeids and</li> <li>other waders.</li> <li>Screen planting of shrubs and</li> <li>trees along the south-eastern bund</li> <li>of the pond should be implemented</li> <li>to minimise disturbance to avifauna</li> <li>and other wildlife from the adjacent</li> <li>recreational fishpond. The enhanced</li> <li>pond is expected to provide a</li> <li>moderate-high ecological value</li> <li>wetland habitat.</li> </ul>					

EIA Ref.	EM&A Ref.		Objectives of the Recommended Measure & Main Concern to Address	Who to implement the measure?	Location of the measure	When to implement the measure?	What requirements or standards for the measure to achieve?
F Table 8.4	7.6	Landscape and Visual Visual screen, contaminant/ liaison with nursery, protection of existing trees with works area and construction light are used or practiced to mitigate the impacts during construction phase.	To mitigate the landscape	Contractor	Whole site	Construction	EIAO-TM
Table 8.4	7.7	Viewing area formation, architectural design for pump house, landscape design for pump house, enhancement planting along Tung Tsz Road, sufficient soil depth for enhancement planting, transplanting of trees to adjacent locations, preparation for transplanting and reinstatement of affected area are practiced to mitigate the impacts during operational phase.	To mitigate the landscape and visual impacts during the operational phase.	Contractor	Whole site	Detail Design / Operational Phase	EIAO-TM

Appendix H:

A)

The recommend mitigation measures of EM&A manual (revision 3)

B)

Implementation status of environmental protection and mitigation measures

B) Implementation status of environmental protection and mitigation

EM&A	Recommended	<b>Objectives of the</b>	Location of the	When to implement	What requirements	Implementation status
Ref.	Mitgation Measures	Recommended	measure	the measure?	or standards for the	
		Measure & main			measure to achieve?	
		concern to Address				
	Use well maintained construction					Implemented
	plant			Construction phase		
	Shut down plants between work	To minimize construction noise impact				Implemented
	periods					
2.18	Install silencers on construction		Works areas			Implemented
	equipment				EIAO-TM NCO	
	Locate mobile plant far away					Implemented
	from NSRs					
	Quiet plants should be used					Implemented
2.19	Use of quieter PME					Not applicable
2.20 - 2.21	Use of temporary noise barrier		Pipe laying in Wai Ha			Not applicable
	Use of alternative quieter	P	Part of the Works Pipe laying			Not applicable
2.22	construction method		in Wai Ha			
2.23 - 2.24	Use of noise enclosure		Pipe laying in Wai Ha			Not applicable

# Contract No. DC/2009/22 – Drainage Improvement in Shuen Wan, Tai Po – Contract 1 Monthly EM&A Report for June 2011

EM&A Ref.	Recommended Mitgation Measures	Objectives of the Recommended Measure & main concern to Address	Location of the measure	When to implement the measure?	What requirements or standards for the measure to achieve?	Implementation status
	Implement regular watering and vehicle washing facilities		Construction Site		EIAO-TM	Outstandinng
3.5	Cover excavated or stockpile of dusty material by impervious sheeting or sprayed with water	To minimize construction dust impact		Construction phase		Implemented
	Use tarpaulin to cover dusty materials on vehicles					Implemented
4.5	Provide silt trap and oil interceptor to remove the oil, lubricants, grease, silt, grit and debris from the wastewater before pumped to the public storm water drainage system					Implemented
4.5	During rainstorms, exposed slope/soil surfaces shall be covered by a tarpaulin or other means. Others measures that need to be implemented before, during, and after rainstorms as summarized in ProPECC PN 1/94 shall be followed	To minimize water quality impact	Construction Site	Construction phase	EIAO-TM WPCO	Not applicable

<b>EM&amp;A</b> <b>Ref.</b> 4.10	Recommended         Mitgation Measures         Provide site toilet facilities	Objectives of the Recommended Measure & main concern to Address To minimize water quality impact	Location of the measure	When to implement the measure?	What requirements or standards for the measure to achieve? EIAO-TM WPCO	Implementation status
4.7	<ul> <li>Further precautionary measures during rainy season:</li> <li>For the construction of the box culvert next to the existing channel of the Wai Ha River, sand bags should be deployed around the boundary of the works trench to prevent muddy water ingress into the adjacent CA or Wai Ha River. Sand bags should also be used to surround the excavated trench. Generally, the sand bags will be placed up to a height of 300mm to provide adequate allowance for the built-up water level during rainstorm event. With sand bags in place, surface runoff will be intercepted and flow to Wai Ha River or collected by the existing drainage system as usual.</li> <li>For the construction of the box culvert in the extreme northeast corner of Shuen Wan Marsh Conservation Area sand bags should be deployed along the limit of the works area to prevent muddy water ingress into the CA. Sand bags should be placed to a height of at least 300mm from round level and +2.5 mPD (whichever is greater) to provide adequate allowance</li> </ul>	To minimize water quality impact to the designated Conservation Area	Works areas near the Conservation Area	Rainy seasons during construction	EIAO-TM WPCO	Not applicable

EM&A	Recommended	Objectives of the	Location of the	When to implement	What requirements	Implementation status
Ref.	Mitgation Measures	Recommended	measure	the measure?	or standards for the	
		Measure & main			measure to achieve?	
		concern to Address				
	for the built-up water level during rainstorm					
	events. Unpolluted surface runoff within the					
	works area should then be collected and					
	directed into the existing drainage system.					
	Sheet-piles, which would be installed around					
	the works trench near the Conservation Area,					
	would be extended above ground level for					
	about 2m to serve as hoardings to isolate the					
	works site.					
	Tarpulin sheets would be used to cover the					
	excavation areas during heavy rainstorms.					
	This would prevent the ingress of rainwater					
	into the trench minimising the risk of muddy					
	water getting into Wai Ha River and the					
	adjacent Conservation Area.					
	Any concrete washing water would be					
	contained inside the works site surrounded by					
	the extended sheet piles. A pump sump at the					
	bottom of the trench would be provided to					
	pump any excess water during concrete					
5.9	Reuse excavated material as much as possible					Implemented
5.7	Any unused chemicals or those with					Not applicable
5.7	remaining functional capacity shall be	To achieve waste reduction	Works areas	Construction phase	EIAO-TM	
	recycled.					
	Recycle scrap metals or abandoned equipment					Implemented

EM&A Ref.	Recommended Mitgation Measures	Objectives of the Recommended Measure & main concern to Address	Location of the measure	When to implement the measure?	What requirements or standards for the measure to achieve?	Implementation status	
5.5	A recording system for the amount of wastes generated, recycled and disposed should be proposed	To reduce waste			ETWB TCW No. 19/2005	Implemented	
5.9	Adopt a trip ticket system for the disposal of C&D materials	management impacts	Works areas	Construction phase	ETWB TCW NO. 31/2004	Implemented	
5.11	All general refuse should be segregated and stored in enclosed bins or compaction units					Implemented	
5.10	Contractor should be a required to register with the EPD as a Chemical Waste Producer and to follow the guidelines states in the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Good quality containers compatible with the chemical wastes should be used, and Incompatible chemicals should be stored separately. Appropriate labels should be securely attached	To minimize the environmental impacts associated with the handling, transportation and disposal of chemical waste.	Work site	Construction phase	EIAO-TM Waste Disposal (Chemical Waste)(General) Regulation	Implemented Not applicable	
	on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste, such as explosives, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc.						

EM&A Ref.	Recommended Mitgation Measures	Objectives of the Recommended Measure & main concern to Address	Location of the measure	When to implement the measure?	What requirements or standards for the measure to achieve?	Implementation status
5.5	A recording system for the amount of wastes generated, recycled and disposed should be proposed	To reduce waste management impacts	Works areas	Construction phase	ETWB TCW No. 19/2005 ETWB TCW NO. 31/2004	Implemented
6.6	Sheet-pilings, which will be installed around the trench of excavation, should be extended above ground level for ~2m to act as hoarding to isolate the works site. The trenching works for the construction of the proposed box culvert should be carried out in phases, with a trench length of not more than 120m in each phase. The trench should be backfilled and compacted with suitable materials upon completion of each phase of the construction works.	To minimize the impacts on the steam and natural river bank.	Whole site	Construction phase	EIAO-TM	Implemented
6.6	The construction of intercept oint of twin cell box culvert at the upstream of Wai Ha River should be confined to only one side of the river bank. To restore and enhance the ecological value of the stream, the affected river bank should be reinstated to its original condition or lined with rock-filled gabion. Planting pits should be provided in the gabion bank to allow the re-establishment of riparian vegetation.	To minimize the impacts on the steam and natural river bank.	Whole site	Construction phase	EIAO-TM	No applicable

EM&A Ref.	Recommended Mitgation Measures	Objectives of the Recommended Measure & main concern to Address	Location of the measure	When to implement the measure?	What requirements or standards for the measure to achieve?	Implementation status
	The existing natural riverbed and substrates should be retained and the natural pool-riffle sequence should be re-created in the new channel bed. All works carried out within the the river					
6.7	All works carried out within the the river channel of Wai Ha River should be carried out from October to April, with construction carried out by land-based plant. Works within river/stream channels should be restricted to an enclosed dry section of the river, with containment measures such as bunds and barriers used within the river to minimize the impacts upon the downstream water body. Site runoff should be directed towards regularly cleaned and maintained silt traps and oil/grease separators to minimize the risk of sedimentation and pollution of river water. The silt and oil/grease separators should be appropriately designed for the local drainage and ground conditions. To minimize leakage and loss of sediments during excavation in narrow channels, tightly sealed closed grab excavators should be deployed where material to be handled is wet.	To minimize sedimentation/ water quality impacts	Whole site	Construction phase	EIAO-TM	No applicable

# Contract No. DC/2009/22 – Drainage Improvement in Shuen Wan, Tai Po – Contract 1 Monthly EM&A Report for June 2011

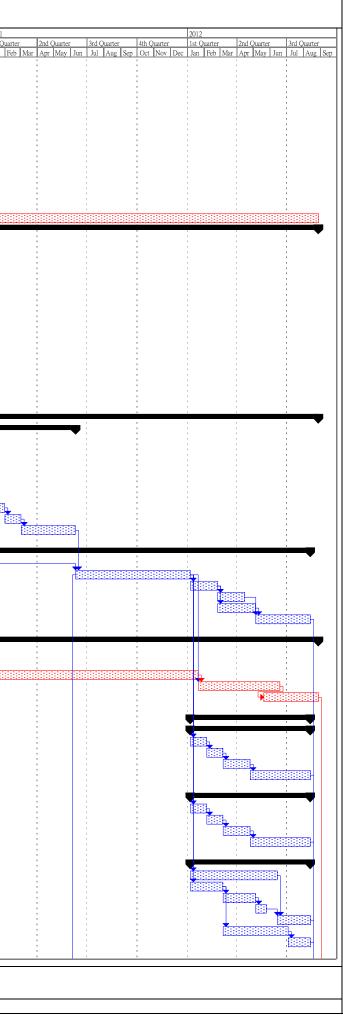
EM&A Ref.	Recommended Mitgation Measures	Objectives of the Recommended Measure & main concern to Address	Location of the measure	When to implement the measure?	What requirements or standards for the measure to achieve?	Implementation status
6.8	The construction of the proposed box-culvert would have the potential to directly impact a few individual of a plant species of conservation interest (Hong Kong Pavetta, Pavetta hongkongensis). The affected individuals should be transplanted to a suitable nearby habitats prior to the construction phase. A detailed vegetation survey of the affected species of conservation interest should be conducted by a suitably qualified botanist/ecologist to identify the affected individuals in order to provide details for transplantation scheme. Transplantation should be supervised by a suitably qualified botanist/horticulturalist. A detailed transplantation methodology should be formulated during the detailed design stage of this Project.	To protect plant species of conservation interest	Whole site	Construction phase	EIAO-TM	No applicable
6.9	Placement of equipment or stockpile in designated works areas and access routes selected on existing disturbed land to minimize disturbance to natural or moderate-high ecological value habitats.	To minimise disturbance to habitats.	Whole site	Construction phase	EIAO-TM	No applicable
6.13	General drainage arrangements should include sediment and oil traps to collect and control construction site run-off.	To minimise sedimentation/ water quality impacts	Whole site	Construction phase	EIAO-TM	Implemented

# Contract No. DC/2009/22 – Drainage Improvement in Shuen Wan, Tai Po – Contract 1 Monthly EM&A Report for June 2011

EM&A Ref.	Recommended Mitgation Measures	Objectives of the Recommended Measure & main concern to Address	Location of the measure	When to implement the measure?	What requirements or standards for the measure to achieve?	Implementation status
6.13	Construction activities should be restricted to work areas that would be clearly demarcated. The work areas should be reinstated after completion of the works.	To minimise disturbance to natural habitats outside works area.	Whole site	Construction phase	EIAO-TM	Implemented
6.13	Placement of equipment or stockpile in designated works areas and access routes selected on existing disturbed land to minimize disturbance to natural or moderate-high ecological value habitats.	To minimise disturbance to natural habitats	Whole site	Construction phase	EIAO-TM	Implemented
7.6	Visual screen, contaminant/ liaison with nursery, protection of existing trees with works area and construction light are used or practiced to mitigate the impacts during construction phase	To mitigate the landscape and visual impacts during the Construction phase	Whole site	Construction phase	EIAO-TM	Implemented
7.7	Viewing area formation, architectural design for pump house, landscape design for pump hose, enhancement planting along Tung Tsz Road, sufficient soil depth for enhancement planting, transplanting of trees to adjacent locations preparation for transplanting and reinstatement of affected area are practiced to mitigate the impacts during operational phase.	To mitigate the landscape and visual impacts during the operational phase	Whole site	Detail Design / Operational Phase	EIAO-TM	Not Applicable

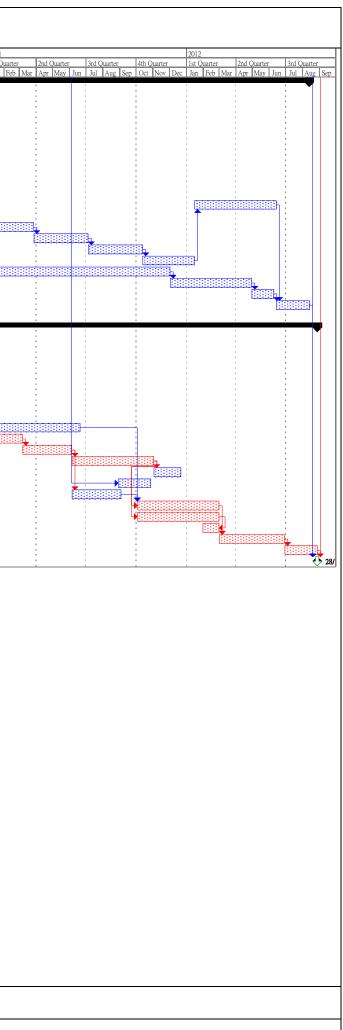
**Appendix I: Construction programme** 

ID ID no. in Rev. Task Name							Ma	ster Programme (Rev. 6)		
1 1				v. Task Name	Duration	Start	Finish	Predecessors	Successors	2010 1st Quarter 2nd Quarter 3rd Quarter 4th Quart
	· ·	5								Jan Feb Mar Apr May Jun Jul Aug Sep Oct No
1	1	1	1	Preliminary Works (Area I - Pak Shek Kok)	175 days	Fri 26/2/10	Thu 19/8/10			
2	2		2	Commencement of Works	0 days	Fri 26/2/10	Fri 26/2/10		3,83,88,105	
3	4		3	Design & Construction of Site Hoarding Site Clearance	30 days 10 days	Fri 26/2/10 Tue 23/3/10	Sat 27/3/10 Thu 1/4/10	2 3FS-5 days	4FS-5 days	
5	4			Design of Engineer's Site Office	30 days	Fri 2/4/10	Sat 1/5/10	5F5-5 days	8FS+10 days,5	
6	6			Construction of Engineer's Site Office	60 days	Sun 2/5/10	Wed 30/6/10	5	7	
7	7	1	7	Engineer's Site Office - Setup the Internal Finishing / Furniture/ Equipment	15 days	Thu 1/7/10	Thu 15/7/10	6	,	
8	8	8	8	Construction of Contractor's Accommodation	70 days	Mon 12/4/10	Sun 20/6/10	4FS+10 days	9	
9	9	ç	9	Installation of Sewerage Storage Tank	5 days	Mon 21/6/10	Fri 25/6/10	8	10	
10	10	10	10	Contractor Accommodation - Setup the Internal Finishing / Furniture / Equipment	20 days	Sat 26/6/10	Thu 15/7/10	9	11	
11	11	11		Establishment of Vehicular Gate, Storage Area	15 days	Fri 16/7/10	Fri 30/7/10	10	12,13	
12	12	12		Establishment of Welfare Facilities for Workers	20 days	Sat 31/7/10	Thu 19/8/10	11		
13	13	13		Temporary Drainage System	20 days	Sat 31/7/10	Thu 19/8/10	11		
15	15	14		Time for Completion of Section I	915 days	Fri 26/2/10	Tue 28/8/12			
16 17	16 17	16	1	Section I (Area A,B - Shuen Wan) Commencement of Works	915 days 0 days	Fri 26/2/10 Fri 26/2/10	Tue 28/8/12 Fri 26/2/10		19FS+30 days,35,111,22,20,28	3 ◆ 26/2
17	17	18		Preliminary Works	225 days	Fri 26/2/10	Fri 8/10/10		1910-190 Guys,20,111,22,20,20	
19	19	19	19	Seek clarification regarding Environmental Permit	30 days	Sun 28/3/10	Mon 26/4/10	17FS+30 days	30	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
20	20	20	1	Design of TTA Scheme for Site Access	40 days	Fri 26/2/10	Tue 6/4/10	17	21	
21	21	21		Submission of TTA to TMLG for Approval	60 days	Wed 7/4/10	Sat 5/6/10	20	25	
22	22	22		Site Clearance	50 days	Fri 26/2/10	Fri 16/4/10	17	23,26	
23	23	23		Project Signboard	5 days	Sat 17/4/10	Wed 21/4/10	22	24	
24	24	24		Hoarding Erection	40 days	Thu 22/4/10	Mon 31/5/10	23	25	
25	25	25		Establish Site Access Ground Investigation	30 days	Sun 6/6/10	Mon 5/7/10 Wed 20/6/10	24,21	30	· • • • • • • • • • • • • • • • • • • •
26	26	26	26	Ground Investigation	75 days	Sat 17/4/10	Wed 30/6/10	22	30	
28	28	28	28	Tree Survey	75 days	Fri 26/2/10	Tue 11/5/10	17	29	
20	28	20		Submission of Tree Survey Record	60 days	Wed 12/5/10	Sat 10/7/10	28	30,31	
30	30	30		Tree Felling	20 days	Sun 11/7/10	Fri 30/7/10	29,25,26,19	94,99,37	
31	31	31	1	Tree Transplanting	90 days	Sun 11/7/10	Fri 8/10/10	29	94FS-30 days,99FS-30 days,40FS-30 days	
33	33	33		Pumping Station	915 days	Fri 26/2/10	Tue 28/8/12			
34	34	34		Piling Works	470 days	Fri 26/2/10	Fri 10/6/11			
35	35	35		Submission of Method Statement	100 days	Fri 26/2/10	Sat 5/6/10	17	46,54,36	
36	36	36		Material Ordering & Delivery to Site	60 days	Sun 6/6/10 Sat 31/7/10	Wed 4/8/10 Mon 9/8/10	35	38	
37	37	38		Ground Preparation for Piling Preliminary Pile	10 days 35 days	Tue 10/8/10	Mon 9/8/10 Mon 13/9/10	30 37,36	38	
39	39	39		Loading Test	30 days	Tue 14/9/10	Wed 13/10/10	37,30	39,40	
40	40	4(		Working Piles	110 days	Tue 14/9/10	Sat 1/1/11	38,31FS-30 days	41	
41	40			Loading Test for working piles	30 days	Sun 2/1/11	Mon 31/1/11	40	42	
42	42	41	40	Sheetpiling	30 days	Tue 1/2/11	Wed 2/3/11	41	43	
43	43	42	41	Excavation to Pile Cut Off Level / Shoring	100 days	Thu 3/3/11	Fri 10/6/11	42	47	
45	45	44	43	Main Structure of Pumping Station	800 days	Sun 6/6/10	Mon 13/8/12			
45	45 46	44		Main Structure of Pumping Station Temporary Works Submission	800 days 120 days	Sun 6/6/10 Sun 6/6/10	Mon 13/8/12 Sun 3/10/10	35	47	
40	40	46		Reinforced Concrete Works	210 days	Sat 11/6/11	Fri 6/1/12	46,43	118SS+80 days,75,48,68,62,74,57	
48	48	47		Roofing	50 days	Sat 7/1/12	Sat 25/2/12	47	49,50	
49	49	48		Manmade Slope	50 days	Sun 26/2/12	Sun 15/4/12	48	51	
50	50	49	48	Internal Finishing Works	70 days	Sun 26/2/12	Sat 5/5/12	48	51	
51	51	50	49	External Finishing Works	100 days	Sun 6/5/12	Mon 13/8/12	50,49	125	
53	53	52	51	E & M	815 days	Sun 6/6/10	Tue 28/8/12			
54	54	53		Submission of E & M Design	120 days	Sun 6/6/10	Sun 3/10/10	35	55FS-30 days	
55	55	54		Approval of E & M Design	90 days	Sat 4/9/10	Thu 2/12/10	54FS-30 days	56	L'analation and an and a
56	56	55		Fabrication & Delivery of Plant & Material	415 days	Fri 3/12/10	Sat 21/1/12	55	57	
57	57	56		Plumbing & E&M works	150 days	Sun 22/1/12	Tue 19/6/12	56,47	58FS-30 days	
58	58	57	56	Final Testing Works	100 days	Mon 21/5/12	Tue 28/8/12	57FS-30 days	125	
60	60	59	58	External Structure	220 days	Sat 7/1/12	Mon 13/8/12			
60	60	55		External Structure Pumping Station to Outfall Structure	220 days 220 days	Sat 7/1/12 Sat 7/1/12	Mon 13/8/12 Mon 13/8/12			4  : :   :
62	62	61		Installation of Cofferdam & Site Hoarding Phase 2	30 days	Sat 7/1/12 Sat 7/1/12	Sun 5/2/12	47	63	
63	63	62	1	Excavation	30 days	Mon 6/2/12	Tue 6/3/12	62	64	
64	64	63		Construction of 2nos. of 1500mm dia. Drainage Pipes	50 days	Wed 7/3/12	Wed 25/4/12	63	65	
65	65	64		2 nos. of Outfall Structures	110 days	Thu 26/4/12	Mon 13/8/12	64	125	
67	67	66		Tide Level Monitoring Chamber	220 days	Sat 7/1/12	Mon 13/8/12			
68	68	67	1	Installation of Cofferdam & Site Hoarding Phase 2	30 days	Sat 7/1/12	Sun 5/2/12	47	69	
69	69	68		Excavation	30 days	Mon 6/2/12	Tue 6/3/12	68	70	
70	70	69		Construction of Pipe & Tide Level Monitoring Chambers Outfall Structure	50 days	Wed 7/3/12	Wed 25/4/12	69	71	
71	71	70	69	Ourian Structure	110 days	Thu 26/4/12	Mon 13/8/12	70	125	
73	73	72	71	External Misc. Works	220 days	Sat 7/1/12	Mon 13/8/12			
74	74	73	1	Boundary Wall & Fencing	160 days	Sat 7/1/12	Thu 14/6/12	47	78	
75	75	74		3nos. of Flow Measurement chambers and Pipes	60 days	Sat 7/1/12	Tue 6/3/12	47	76,79	
76	76	75		Surface Drainage System & Catchpits	60 days	Wed 7/3/12	Sat 5/5/12	75	77	
77	77	76	1	Concrete Pavement	20 days	Sun 6/5/12	Fri 25/5/12	76	78	
78	78	71	77	Landscaping Works	60 days	Fri 15/6/12	Mon 13/8/12	77,74	125	
79	79	78		225mm dia. Sewer Across Ting Kok Road and Connection to Existing Manholes	120 days	Wed 7/3/12	Wed 4/7/12	75	80	
80	80			Sewer Manhole SM1	40 days	Thu 5/7/12	Mon 13/8/12	79	125	4   1 1 1 1 1 1 1
			Į							



								Ma	aster Programme (Rev. 6)		
	D no. in Rev. ID r	no. in Rev. III	no. in Re	v. ID no. in R	ev.  Task Name	Duration	Start	Finish	Predecessors	Successors 2	010
	5	4	3	2						1	st Quarter 2nd Quarter 3rd Quarter
				<b>^</b>				1010/10		L	an Feb Mar Apr May Jun Jul Aug Sep
	82	82		0 79	Twin Cell Box Culvert	900 days	Fri 26/2/10	Mon 13/8/12			
	83	83		81 80	Liaison with LCSD	15 days	Fri 26/2/10	Fri 12/3/10	2	84	
	84	84		32 81	Determination of Box Culvert Alignment	30 days	Sat 13/3/10	Sun 11/4/10	83	85	
	85	85		33 82	Record Survey	30 days	Mon 12/4/10	Tue 11/5/10	84	86	
-	86	86		34 83	Condition Survey of Existing Structure	15 days	Wed 12/5/10	Wed 26/5/10	85	87	
	87	87		35 84	Submission of Method Statement to LCSD	60 days	Thu 27/5/10	Sun 25/7/10	86	91	
	88	88		36 85	Design of Temporary Traffic Arrangement	60 days	Fri 26/2/10	Mon 26/4/10	2	89,90	
	89	89		37 86	Submission of TTA to TMLG for Approval	90 days	Tue 27/4/10	Sun 25/7/10	88	90FF	
	90	90		38 87	Excavation Permit	120 days	Tue 27/4/10	Tue 24/8/10	88,89FF	99	
-	91	91		39 88	Temporary Removal of Structure and Facilities / Reprovision	15 days	Mon 26/7/10	Mon 9/8/10	87	92	
	92	92			Provision of Temporary Irrigation Pipes	20 days	Tue 10/8/10	Sun 29/8/10	91	94	
	93	93		91 89	Box Culvert at Chainage 0 - 25	150 days	Tue 17/1/12	Thu 14/6/12	98	102	: :   🚽
	94	94		92 90	Box Culvert at Chainage 25 - 75	100 days	Thu 9/9/10	Fri 17/12/10	31FS-30 days,30,92	95	
	95	95		93 91	Box Culvert at Chainage 75 - 125	100 days	Sat 18/12/10	Sun 27/3/11	94	96	
	96	96		94 92	Box Culvert at Chainage 125 - 175	100 days	Mon 28/3/11	Tue 5/7/11	95	97	
	97	97		95 93	Box Culvert at Chainage 175 - 225	100 days	Wed 6/7/11	Thu 13/10/11	96	98	
	98	98		96 94	Box Culvert at Chainage 225 - 275	95 days	Fri 14/10/11	Mon 16/1/12	97	93	
	99	99		97 95	Box Culvert at Chainae 275 - 300	450 days	Thu 9/9/10	Fri 2/12/11	90,31FS-30 days,30	100	
	100	100		98 96	Box Culvert at Chainage 300 - 350 (Including Outfall & Desilting Chamber)	150 days	Sat 3/12/11	Mon 30/4/12	99	101	
	101	101		99	1200mm dia. Drainage Pipe	40 days	Tue 1/5/12	Sat 9/6/12	100	102	
2	102	102	1	0 97	Reinstallation and Reinstatement of Existing Structure, Facilities and Trees	60 days	Fri 15/6/12	Mon 13/8/12	93,101	125	
1	104	104		<b>12</b> 99	Dia. 2100mm Drainage Pipe	915 days	Fri 26/2/10	Tue 28/8/12			
	105	105	1	03 100	Record Survey	15 days	Fri 26/2/10	Fri 12/3/10	2	106	E Carlos de
Т	106	106	1	04 101	Site Investigation (Trial Pit)	50 days	Sat 13/3/10	Sat 1/5/10	105	107	
	107	107	1	05 102	Design of Temporary Traffic Arrangement	40 days	Sun 2/5/10	Thu 10/6/10	106	108,109	
Т	108	108	1	06 103	Submission of TTA to TMLG for Approval	60 days	Fri 11/6/10	Mon 9/8/10	107	110,109FF	
Т	109	109	1	07 104	Excavation Permit	90 days	Fri 11/6/10	Wed 8/9/10	107,108FF	114	
1	110	110	1	)8	Liaison with HyD / LCSD for Planter Removal	25 days	Tue 10/8/10	Fri 3/9/10	108	114	
1	111	111	1	09 105	E&M Design of Penstocks	180 days	Fri 26/2/10	Tue 24/8/10	17	112	
	112	112	1	10 106	Submission for Approval	60 days	Wed 25/8/10	Sat 23/10/10	111	113	
Ť	113	113	1	11 107	Fabrication & Delivery of Penstocks	240 days	Sun 24/10/10	Mon 20/6/11	112	120	
1	114	114	1	12 108	MH 04 to MH 05	180 days	Thu 9/9/10	Mon 7/3/11	109,110	115	
Ť	115	115	1	13 109	MH 03 to MH 04	90 days	Tue 8/3/11	Sun 5/6/11	114	116,119	
1	116	116	1	14 110	Intake to MH 03	150 days	Mon 6/6/11	Wed 2/11/11	115	120FS-30 days,121FS-30 days,117	
Ť	117	117	1	15 115	Reinstatement of Existing Planter	50 days	Thu 3/11/11	Thu 22/12/11	116		
	118	118	1	16 111	MH 05 to MH 06	60 days	Tue 30/8/11	Fri 28/10/11	47SS+80 days		
╡	119	119			Temporary Drainage Management Plan	90 days	Mon 6/6/11	Sat 3/9/11	115	120	
_	120	120	1	18 112	Intake (As required in Dry Season)	150 days	Tue 4/10/11	Thu 1/3/12	116FS-30 days,113,119	123	
		121		19 113	Modification of Existing Outlet Structure of Wai Ha River	150 days	Tue 4/10/11	Thu 1/3/12	116FS-30 days	122FF	
	120			20 114	Installation of 4 nos of Mechanical Penstocks	30 days	Wed 1/2/12	Thu 1/3/12	121FF	123	
	121	122	-		E & M Works	120 days	Fri 2/3/12	Fri 29/6/12	122,120	124	
	121 122	122	1					Tue 28/8/12	122,120	124	
	121 122 123	123	1		Misc. Works & Reinstatement	60 dave	Sat 50/6/12				
	121 122		1	22 23 116	Misc. Works & Reinstatement Completion of Section I	60 days 0 days	Sat 30/6/12 Tue 28/8/12	Tue 28/8/12	78,124,102,51,58,65,71,80		1

Master Programme - Rev. 6 Data Date: 2010-2-26	Task	Progress		Summary	<b>—</b>	Rolled Up Critical Task		Rolled Up Progress	External Tasks		Group By Summary		
Data Date: 2010-2-20	Critical Task	Milestone	•	Rolled Up Task		Rolled Up Milestone	$\diamond$	Split	 Project Summary	<b>—</b> — <b>—</b>	Deadline	$\hat{\nabla}$	

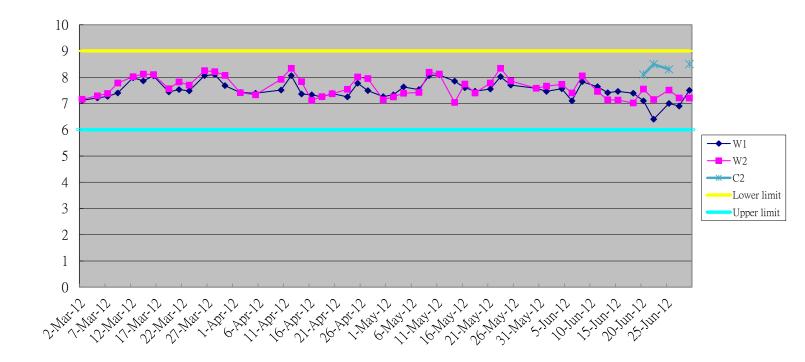


Appendix J: Three month rolling programme

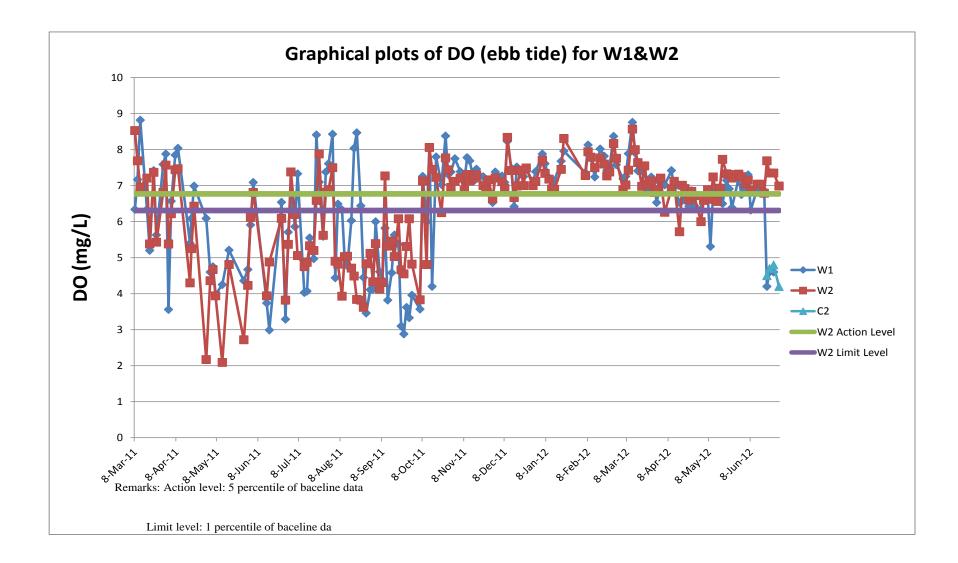
								Contrac	t Title: Drainage Imp	contract No.: DC/2009/22 rovement Works in Shuen Wan, Tai	Po - Contract 1												
									Ma	ister Programme ( Rev. 6)													
D 1	ID no. in Rev. ID no. in Rev. 5 4	ev. ID	no. in Rev. 3	ID no.	2		Duration	Start	Finish	Predecessors	Successors	2010 1st Qu Jan 1	arter 2n Feb Mar At	d Quarter or May Jur	3rd Quarter	4th Quarter ep Oct Nov	2011 1st Quarter Dec Jan Feb	2nd Quarter Mar Apr May	3rd Quarter Jun Jul Aug Se	4th Quarter ep Oct Nov	2012 1st Quarte Dec Jan Feb	r 2nd Quar Mar Apr M	rter 3rd Qua ay Jun Jul A
5	15 1	15	15	1	5 1	Fime for Completion of Section I	915 days	Fri 26/2/10	Tue 28/8/12														
6	16 1	16	16	1	6 5	Section I (Area A,B - Shuen Wan)	915 days	Fri 26/2/10	Tue 28/8/12						1						_		
33	33 3	33	33	3	3	Pumping Station	915 days	Fri 26/2/10	Tue 28/8/12														
5	45 4	45	44	4	3	Main Structure of Pumping Station	800 days	Sun 6/6/10	Mon 13/8/12				1		1		1						
1	51 5	51	50	4	9	External Finishing Works	100 days	Sun 6/5/12	Mon 13/8/12	50,49		125			1			1		1	1		
3	53 5	53	52	5	1	E & M	815 days	Sun 6/6/10	Tue 28/8/12											_			
3	58 5	58	57	5	6	Final Testing Works	100 days	Mon 21/5/12	Tue 28/8/12	57FS-30 days		125											
0	60 6	60	59	5	8	External Structure	220 days	Sat 7/1/12	Mon 13/8/12														
1	61 6	61	60	5	9	Pumping Station to Outfall Structure	220 days	Sat 7/1/12	Mon 13/8/12				1										
5	65 6	65	64	6	3	2 nos. of Outfall Structures	110 days	Thu 26/4/12	Mon 13/8/12	64		125									i i		
7	67 6	67	66	6	5	Tide Level Monitoring Chamber	220 days	Sat 7/1/12	Mon 13/8/12				1		1	1		1	1	1			1
1	71 7	71	70	6	9	Outfall Structure	110 days	Thu 26/4/12	Mon 13/8/12	70		125	1		1	1	1	1	1	1	1	1 12	
3	73 7	73	72	7	1	External Misc. Works	220 days	Sat 7/1/12	Mon 13/8/12				1		1	1		1	1	1			
8	78 7	78	77	7	7	Landscaping Works	60 days	Fri 15/6/12	Mon 13/8/12	77,74		125	1		1	1		1	1	1	1	1	
9	79 7	79	78			225mm dia. Sewer Across Ting Kok Road and Connection to Existing Manholes	120 days	Wed 7/3/12	Wed 4/7/12	75		80				1		1	1	1	1		
30	80 8	80				Sewer Manhole SM1	40 days	Thu 5/7/12	Mon 13/8/12	79		125				1		1	1	1	1	1	
32	82 8	82	80	7	9	Twin Cell Box Culvert	900 days	Fri 26/2/10	Mon 13/8/12									i.		_			
02	102 10	02	100	9	7	Reinstallation and Reinstatement of Existing Structure, Facilities and Trees	60 days	Fri 15/6/12	Mon 13/8/12	93,101		125											
)4	104 10	04	102	9	9	Dia. 2100mm Drainage Pipe	915 days	Fri 26/2/10	Tue 28/8/12														
24	124 12	24	122			Misc. Works & Reinstatement	60 days	Sat 30/6/12	Tue 28/8/12	123		125						1			i.		1111
25	125 12	25	123	11	.6 (	Completion of Section I	0 days	Tue 28/8/12	Tue 28/8/12	78,124,102,51,58,65,71,80					1	- i -		i i	i.	1	i.	i.	

Master Programme - Rev. 6 Data Date: 2010-2-26	Task Critical Task	Progress Milestone	•	Summary Rolled Up Task	Rolled Up Critical Task Rolled Up Milestone	Rolled Up Progress Split		External Tasks Project Summary	<b>—</b>	Group By Summary Deadline	Ŷ	 
						Page	n 1					

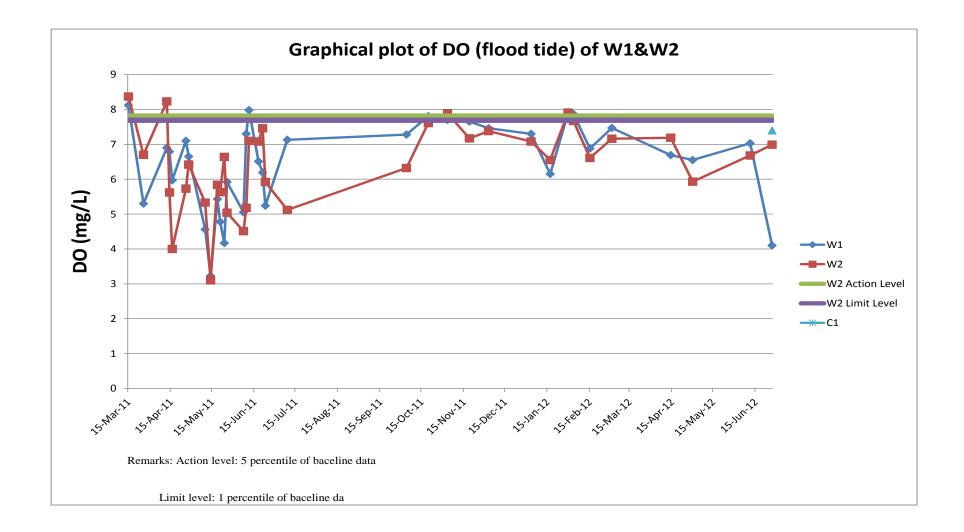
Appendix K. Graphical plots of trends of monitored parameter



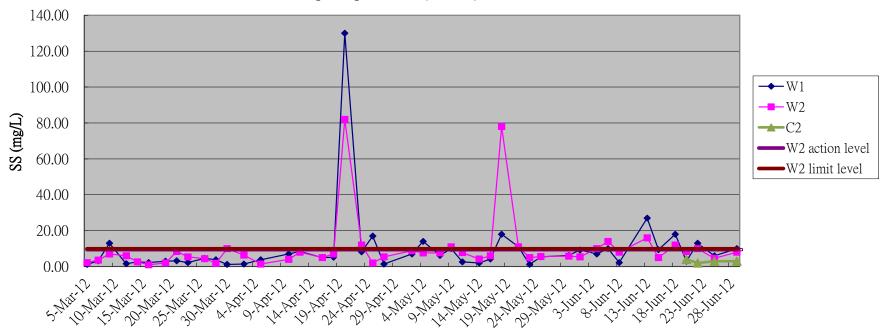
Graphical plots of pH values W1&W2



### **Environmental Pioneers and Solutions Limited**

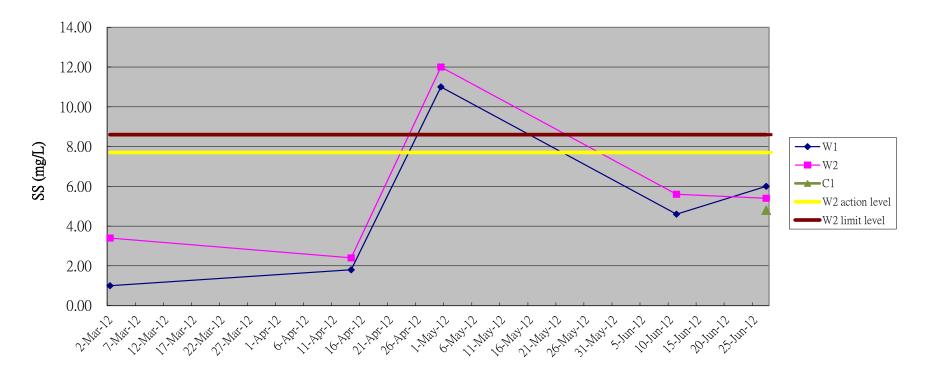


### **Environmental Pioneers and Solutions Limited**

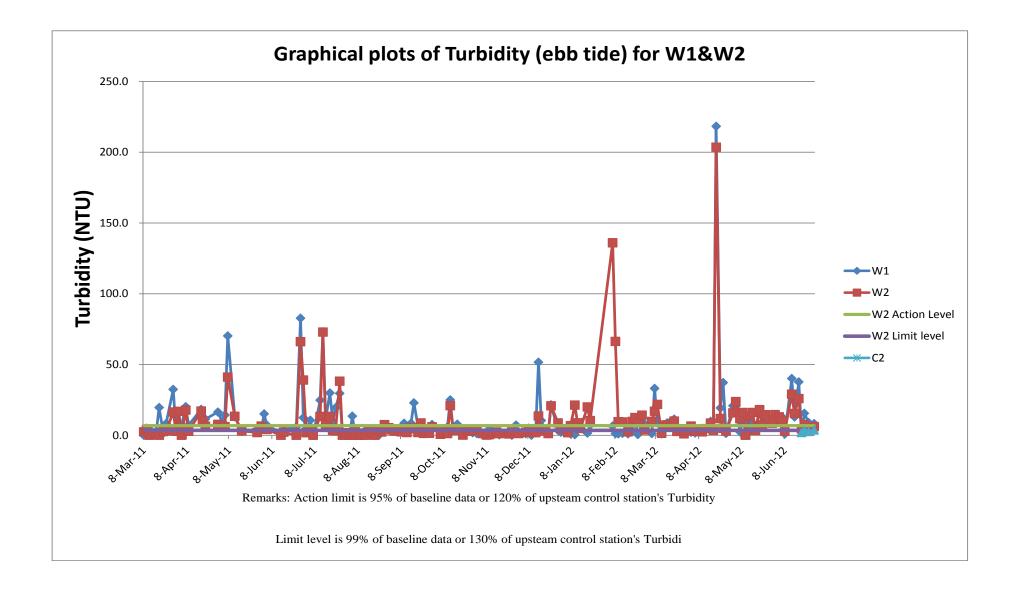


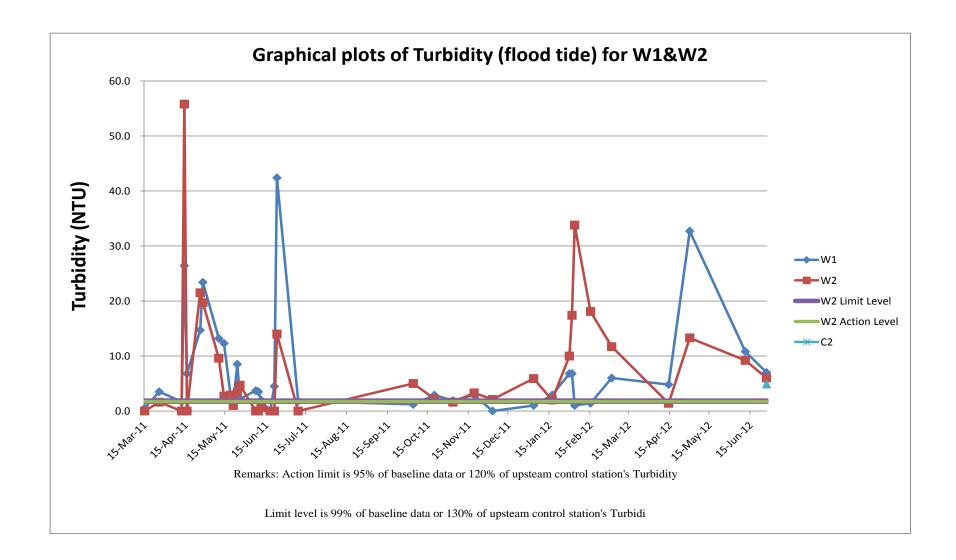
Graphical plots of SS (ebb tide) for W1&W2

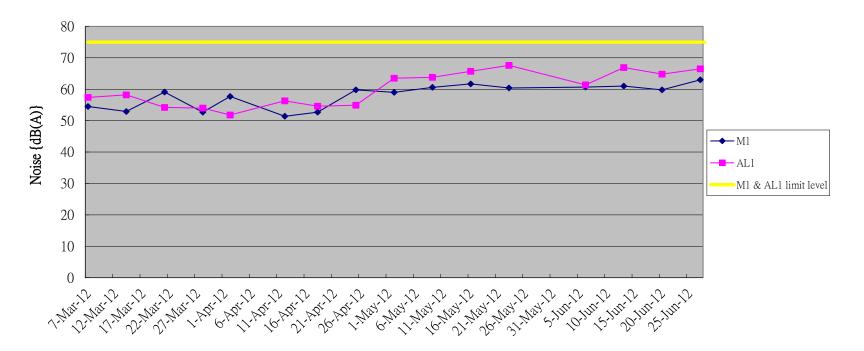
Remarks: Action limit is 95% of baseline data or 120% of upsteam control station's SS Limit level is 99% of baseline data or 130% of upsteam control station's SS Graphical plots of SS (flood tide) for W1&W2



Remarks: Action limit is 95% of baseline data or 120% of upsteam control station's SS Limit level is 99% of baseline data or 130% of upsteam control station's SS

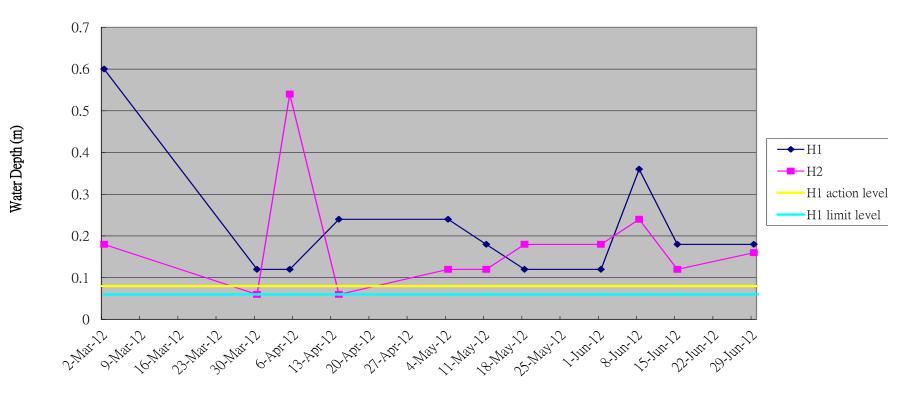






Graphical plots of Noise for M1 & AL1

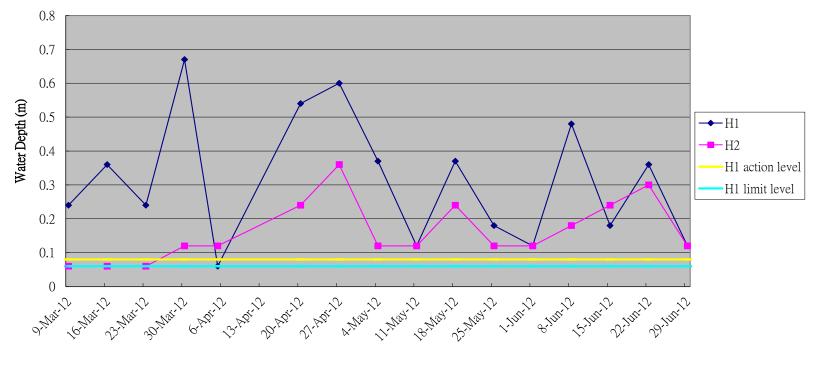
Remarks: Action limit is when one documented complaint is received



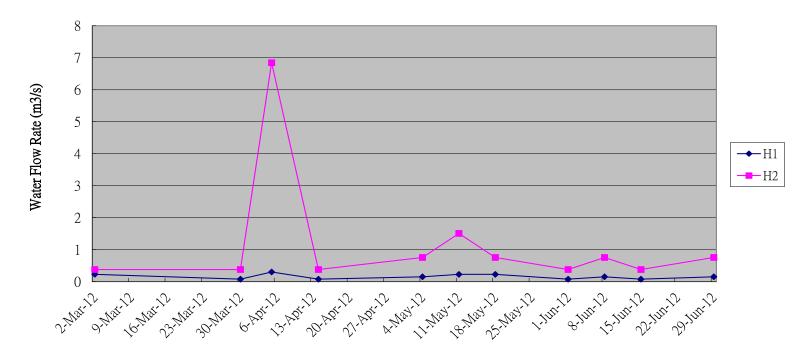
#### Graphical plots of Hydrological Monitoring(water depth at flood tide) for H1 & H2

Remarks: Action level: 80% of baseline water depth. Limit level: 60% of baseline water depth.

Graphical plots of Hydrological Monitoring(water depth at ebb tide) for H1 & H2

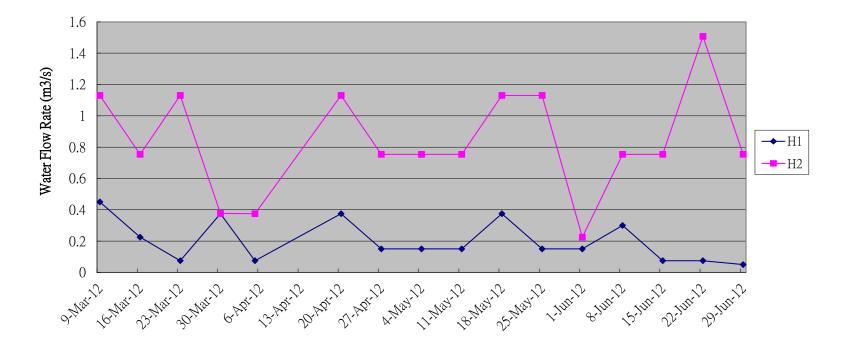


Remarks: Action level: 80% of baseline water depth. Limit level: 60% of baseline water depth.



#### Graphical plots of Hydrological Monitoring(water flow rate at flood tide) for H1 & H2

Remarks: Action level: 120% of control station's water flow rate on the same day of measurement. Limit level: 140% of control station's water flow rate on the same day of measurement.



Graphical plots of Hydrological Monitoring(water flow rate at ebb tide) for H1 & H2

Remarks: Action level: 120% of control station's water flow rate on the same day of measurement. Limit level: 140% of control station's water flow rate on the same day of measurement. Appendix L.

A). List of recorded vegetations and relative abundance in the ECA during establishment phase in June 2012

B). List of trees transplanted from Work Areas of Contract 1 & 2 to ECA during establishment phase in June 2012

C). Condition of transplanted species *Pavetta hongkongensis* in ECA since 20<sup>th</sup> Dec 2011

D). List of trees will be replace at Ecological Compensations Area

Species	*Status in Hong Kong	Growth form	<sup>1</sup> Status in ECA	<sup>2</sup> Relative abundance	Condition
Bidens bipinnata	Е	Herbs	S	+	Fair
Panicum maximum	Е	Herbs	S	+	Fair
Celtis sinensis	N	Trees	S	+	Fair
Terminalia catappa	Е	Trees	R	+	Fair
Cocculus orbiculatus	N	Climbers	R	+	Fair
Mangifera indica	Е	Trees	R	+	Fair
Dimocarpus longan	Е	Trees	R	+	Fair
Michelia x alba	Е	Trees	R	+	Fair
Oxalis corniculata	N	Herbs	S	+	Fair
Stephania longa	N	Climbers	S	+	Fair
Leucaena leucocephala	Е	Shrubs	S	+	Fair
Amaranthus viridis	N	Herbs	S	+	Fair
Solanum nigrum	N	Herbs	S	+	Fair
Paspalum dialatum	Е	Perennial Herb	S	+	Fair
Mikania micrantha	Е	Climbing Herb	S	+	Fair
Macaranga tanarius	N	Tree	R	+	Fair
Cassia surattensis	E	Shrub or Small Tree	S	+	Fair
Conyza sumatrensis	Е	Herb	S	+	Fair

**Appendix L (A).** List of recorded vegetations and relative abundance in the ECA during establishment phase in June 2012.

Sansevieria trifasciata Prain	E	Perennial Herb	S	+	Fair
Alocasia odora	N	Perennial Herb	S	+	Fair
Livistona chinensis	Е	Tree Palm	S	+	Fair
<i>c.f. Ulothrix</i> sp.	Ν	Algae	S	+	Fair
Enteromorpha sp.	N	Algae	S	+	Fair
Total number of species	23				

Key:

\*Status in Hong Kong

E = Exotic

N = Native

<sup>1</sup>Status in ECA:

R = retained

S = naturally colonized

++ = Common

+ = Present

+++ = Abundant

<sup>2</sup>Relative abundance:

Tree No.	Species Name	*Status in	Growth form	Date of transplantation	Condition	Remarks
		Hong				
		Kong				
T150	Bombax ceiba	Е	Tree	22/6/2011	Fair	
T151	Bombax ceiba	Е	Tree	22/6/2011	Fair	
T152	Bombax ceiba	Е	Tree	22/6/2011	Poor	Dehydrated Crown
T153	Bombax ceiba	Е	Tree	22/6/2011	Fair	
T154	Bombax ceiba	Е	Tree	14/6/2011	Fair	
T155	Bombax ceiba	Е	Tree	14/6/2011	Fair	
T156	Bombax ceiba	Е	Tree	14/6/2011	Fair	
T157	Bombax ceiba	Е	Tree	14/6/2011	Fair	
T158	Bombax ceiba	Е	Tree	14/6/2011	Fair	
T159	Bombax ceiba	Е	Tree	14/6/2011	Fair	
T160	Bombax ceiba	Е	Tree	14/6/2011	Fair	
T161	Bombax ceiba	Е	Tree	14/6/2011	Fair	
T162	Bombax ceiba	Е	Tree	14/6/2011	Fair	
T250	Celtis sinensis	Ν	Tree	22/6/2011	Poor	Injured and dried
						bark, Dehydrated
						Crown
T165	Melaleuca quinquenervia	Е	Tree	22/6/2011	Fair	
T168	Melaleuca quinquenervia	Е	Tree	Nov 2011	Fair	

**Appendix L (B).** List of trees transplanted from Work Areas of Contract 1 & 2 to ECA during establishment phase in June 2012.

Specimen No.	Species Name	Growth	Height (m)	Date of transplantation	Condition	Remarks
		Form				
PH01	Pavetta hongkongensis	Tree /	2.2	20 <sup>th</sup> Dec 2011	Fair	
		Shrub				
PH02	Pavetta hongkongensis	Tree /	2	20 <sup>th</sup> Dec 2011	Fair	
		Shrub				
PH03	Pavetta hongkongensis	Tree /	1.5	20 <sup>th</sup> Dec 2011	Fair	
		Shrub				

**Appendix L (C).** Condition of transplanted species *Pavetta hongkongensis* in ECA since 20<sup>th</sup> Dec 2011.

Date of weekly monitoring: 4 Jan, 13 Jan, 17 Jan, 28 Jan, 3 Feb, 6 Feb, 15 Feb, 22 Feb, 1 Mar, 6 Mar, 12 Mar, 18 Mar, 29 Mar, 27 Apr, 31 May, 26 Jun 2012.

Tree No.	Species Name	*Status in	Growth
		Hong Kong	form
N037	Ficus Superba Var. Japonica	Ν	Tree
N054	Ficus Superba Var. Japonica	Ν	Tree
N067	Hibiscus Tiliaceus	Ν	Tree
N136	Celtis Sinensis	Ν	Tree
N151	Macaranga Tanarius	N	Tree
N188	Celtis Sinensis	N	Tree
N191	Celtis Sinensis	N	Tree
N221	Celtis Sinensis	N	Tree
N224	Celtis Sinensis	N	Tree
N226	Ficus Superba Var. Japonica	Ν	Tree
N227	Ficus Superba Var. Japonica	N	Tree
N237	Hibiscus Tiliaceus	Ν	Tree
N242	Hibiscus Tiliaceus	Ν	Tree
N244	Hibiscus Tiliaceus	Ν	Tree
N248	Hibiscus Tiliaceus	Ν	Tree
N251	Hibiscus Tiliaceus	N	Tree
N255	Hibiscus Tiliaceus N		Tree
N256	Hibiscus Tiliaceus N		Tree
N261	Hibiscus Tiliaceus N		Tree
N262	Hibiscus Tiliaceus	N	Tree

Appendix L (D). List of trees will be replace at Ecological Compensations Area

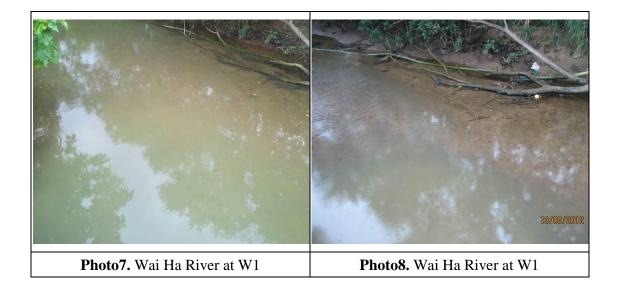
N263	Hibiscus Tiliaceus	Ν	Tree
N265	Hibiscus Tiliaceus	Ν	Tree
N268	Hibiscus Tiliaceus	Ν	Tree
N270	Hibiscus Tiliaceus	Ν	Tree
N271	Hibiscus Tiliaceus	N	Tree
N272	Hibiscus Tiliaceus	N	Tree
N274	Hibiscus Tiliaceus	N	Tree
N275	Hibiscus Tiliaceus	N	Tree
N276	Hibiscus Tiliaceus	N	Tree
Tree No.	Species Name	*Status in	Growth
		Hong Kong	form
N277	Hibiscus Tiliaceus	Ν	Tree
N279	Hibiscus Tiliaceus	Ν	Tree
N280	Hibiscus Tiliaceus	Ν	Tree
N281	Hibiscus Tiliaceus	Ν	Tree
N282	Hibiscus Tiliaceus	Ν	Tree
N283	Hibiscus Tiliaceus	Ν	Tree
N284	Hibiscus Tiliaceus	N	Tree
N285	Hibiscus Tiliaceus	N	Tree
N286	Hibiscus Tiliaceus	N	Tree
N287	Hibiscus Tiliaceus	N	Tree
N288	Hibiscus Tiliaceus	N	Tree
N289	Hibiscus Tiliaceus	N	Tree

1		i	
N290	Hibiscus Tiliaceus	Ν	Tree
N291	Hibiscus Tiliaceus	Ν	Tree
N292	Hibiscus Tiliaceus	Ν	Tree
N293	Hibiscus Tiliaceus	Ν	Tree
N294	Hibiscus Tiliaceus	Ν	Tree
N296	Hibiscus Tiliaceus	Ν	Tree
N297	Hibiscus Tiliaceus	N	Tree
N298	Hibiscus Tiliaceus	N	Tree
N299	Hibiscus Tiliaceus	N	Tree
N300	Hibiscus Tiliaceus N		Tree
N305	Hibiscus Tiliaceus N		Tree
N306	Hibiscus Tiliaceus	N	Tree
N307	Hibiscus Tiliaceus	N	Tree
N309	Hibiscus Tiliaceus	ıs Tiliaceus N	
N310	Hibiscus Tiliaceus	s Tiliaceus N	
N311	Hibiscus Tiliaceus	N	Tree
N312	Hibiscus Tiliaceus	N	Tree
N316	Hibiscus Tiliaceus	N	Tree
N318	Hibiscus Tiliaceus	N	Tree
Tree No.	Species Name	*Status in	Growth
		Hong Kong	form
N319	Hibiscus Tiliaceus	N	Tree
N321	Macaranga Tanarius	N	Tree

N336	Hibiscus Tiliaceus	Ν	Tree
N348	Macaranga Tanarius	Ν	Tree
N388	Viburnum Odoratissimum	Ν	Tree
N451	Celtis Sinensis	Ν	Tree

Appendix M. Photo of Wai Ha River in June 2012





Appendix N Approved Proposal of Revision for Action/Limit Level Criteria of Water Quality Monitoring 28th Floor, Southorn Centre,

130 Hennessy Road,

Wan Chai, Hong Kong.

環境保護署分處

香港層仔 軒尼苛扭 百二十党 修照中心廿八桜

(2) in Ax (1) to EP2/G/I/117 Pt.4 本著檔號 OUR REF: 来雨槽皱 YOUR REF: 2835 1581 絬 2802 4511 TEL. NÔ.: 國文傳真 FAX NO.: 双子鲸件 E-MAIL: 航 1 HOMEPAGE: http://www.epd.gov.hk

#### By Post & Fax : 2827 8700

31 May 2012

Drainage Projects Division. Drainage Services Department, 40/F, 44/F & 45/F. Revenue Tower, 5 Gloucester Road, Wan Chai, Hong Kong (Attn: Mr. SO Chi Ho)

Dear Mr. So,

#### Drainage Improvement Works in Sha Tin and Tai Po Environmental Permit No. EP-303/2008 **Revised Water Quality Monitoring**

I refer to the letter from Environmental Pioncers & Solution Ltd (ET Leader) of 17 May 2012 proposing changes to water quality monitoring under the EM&A Programme for the captioned project.

Based on the justifications provided and pursuant to Condition 5.1 of the Environmental Permit No. EP-303/2008, I hereby approve the proposed changes to water quality monitoring.

Yours faithfully.

Principal Environmental Protection Officer for Director of Environmental Protection

97%

c.c.

Internal (w/cncl. proposal enclosed in the letter from Environmental Pioneers & Solutions Ltd. of 17.5.2012)

S(RN)1 EIAO Register Office

かみ、prーと CA ない RECYCLED PATR

## EP-303/2008

# Enquiry of Revision for Action/Limit Level Criteria of Water Quality Monitoring

	Prepared By:	Verified By:	Submitted By:
Parties:	Environmental Team Leader (Environmental Pioneers & Solutions Limited)	IEC (Environ Hong Kong Limited)	Contractor (Kwan Lee – Kuly Joint Venture)
Name:	Ms. Goldie Fung	Mr. Tony Cheng	Mr. C.L. Wong
Signature:		G.	$\overline{\mathcal{D}}$
Date:	16-5-2012	16 May 2012	16/5/2012

#### CONTENTS

1.	Intro	oduction
2.	Wate	er Quality Monitoring4
	2.1	Monitoring Locations
	2.2	<b>Reference Points for Contract No. 1</b>
	2.3	Data Analysis
3.	Cone	clusion9
Арр	endix	Α
Арр	endix	В
Арр	endix	C
Арр	endix	D
Арр	endix	Ε
Арр	endix	F
Арр	endix	G
Арр	endix	Н
Арр	endix	I

#### 1. Introduction

Environmental Pioneers and Solutions Limited (EPSL) has been appointed to work as the Environmental Team (ET) for the Contract No. DC/2009/22 Drainage Improvement Works in Shuen Wan, Tai Po (Contract no. 1) to implement the Environmental Monitoring and Audit (EM&A) programme.

The scope of the Project includes the following works:-

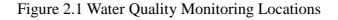
- Construction of a 1000m long, 3m x 2.5m twin-cell box culvert along Tung Tsz Road;
- (2) Replacement of existing gates by automatic mechanical gates at the mouth of Wai Ha River;
- (3) Construction of a 280m long, 1200 dia. Drainage pipe near Wai Ha Village;
- (4) Construction of a 260m long, 2100 dia. Flood relief drain along Ting Kok Road; and
- (5) Construction of a floodwater pumping station at Shuen Wan.

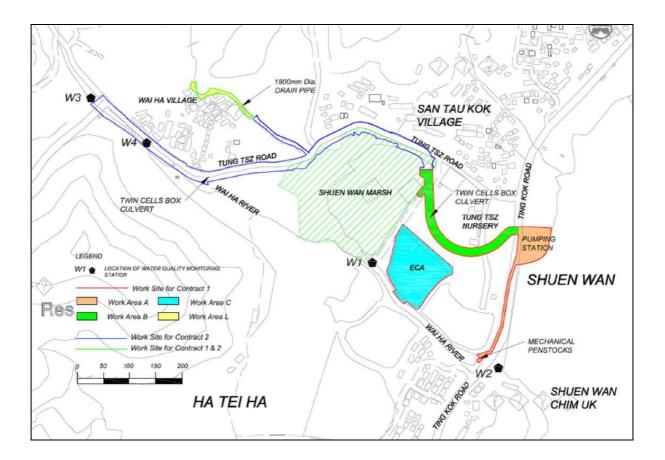
The construction period of the project was commenced on February 26<sup>th</sup>, 2010 and anticipated to complete in August 2013.

#### 2. Water Quality Monitoring

#### 2.1 Monitoring Locations

There are two separate contracts covered by the Environmental Permit EP-303/2008, including contract no. DC/2009/22 (contract no. 1) and contract no. DC/2010/02 (contract no. 2). There are totally 4 monitoring stations (W1, W2 and W4 for impact monitoring station and W3 for control station) selected for the water quality monitoring. With reference to the Clause 4.25 of EM&A Manual (Rev. 3), the water samples are collected at mid-depth of each proposed monitoring stations for measuring due to the water depth is less than 3m. The Location Plan is shown in Figure 2.1 for reference.





#### 2.2 Reference Points for Contract No. 1

The construction activities of contract no. 1 were commenced on 9 March 2011 and anticipated to be completed in February 2013 and those of contract no. 2 were commenced on 29 April 2011 and anticipated to be completed on 27 October 2013. According to the current site situation of the project, there are construction activities carrying out for contract no. 1 and no. 2. The water quality of control station W1 may be affected by the construction activities of contract no. 2. Under this circumstance, 2 additional reference points (C1 and C2) are proposed for the water quality monitoring of contract no. 1. The water quality of both C1 and C2 will not be affected by any construction activities of this project. The location of C1 and C2 can refer to the Fig. 2.2. Reference point C1 is located at 20m apart from the estuary of Wai Ha River. The water quality of C1 will not be affected by the construction activities at flood tide and is free from contamination. The water quality parameter of C1; W1 and W2 are listed in Appendix A for reference. Reference point C2 is the same monitoring location of W3 which is approximate 70m apart from the site boundary and will not be affected by the construction activities.

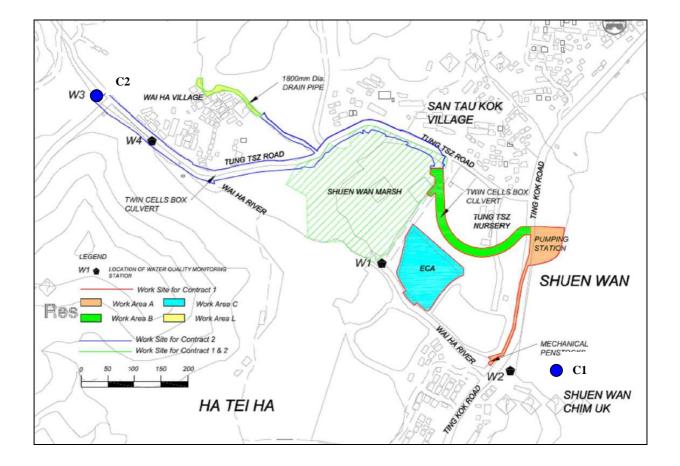


Figure 2.2 Reference Points C1 and C2 Locations

The monitoring parameters of C1 and C2 are same as those of W1, and the monitoring data of C1 and C2 will be reported as the supplementary information. When the water quality of W2 exceed the Action/Limit levels criteria, the monitoring data of C1 will be used for comparison when the monitoring of W2 is taken at flood tide; and the monitoring data of C2 will be used for comparison when the monitoring of W2 is taken at ebb tide. The comparison of water quality between W2 and C1 at flood tide and between W2 and C2 at ebb tide can help to prove whether influence of water quality is caused by the construction activities. The water quality monitoring of W1 will continuously be carried out and the collected data will be submitted for reference as well.

#### 2.3 Data Analysis

With reference to the Location Plan shown in Figure 2.1, control station W3 is at the upstream location of the Wai Ha River for this project. According to the location, the water quality of W3 can be considered to be not affected by any construction activities of the project. Besides, the level of W3 should be +5.08mPD and its water quality can be considered to be not undergone any tidal influence. Based on these criteria, the Dissolved Oxygen (DO) of control station W3 were used for the analysis in the following sections. In order to indicate the current situation of DO level of the river, the DO level of W3 measured from August 2011 to January 2012 were selected to compare with baseline data.

#### a. Baseline Monitoring Data

The baseline data of DO of W3 are shown in Appendix B. The baseline monitoring data were collected before the commencement of any construction activities in dry season from 7<sup>th</sup> January, 2011 to 2<sup>nd</sup> February 2011. According to the submitted Baseline Environmental Monitoring Report, the Action/Limit level for monitoring station W3 are indicated in Table 2.1.

Parameters	Monitoring Stations (Flood Tide)		Monitoring Stations (Ebb Tide)		
	Action	Limit	Action	Limit	
	Level	Level	Level	Level	
DO (mg/L)	8.66	8.00	8.71	8.61	

Table 2.1 Action and Limit Levels for	Water Quality at Monitoring Stations W3
	water Quanty at Montoring Stations we

#### b. Impact Monitoring Data

Water quality monitoring (WQM) for control station W3 was carried out 13 times in August 2011; 14 times in September 2011; 12 times in October 2011; 13 times in November 2011; 13 times in December 2011; 12 times in January 2012. The collected DO data of W3 in these 77 times monitoring are shown in Appendix C. Average DO monitoring result of each month at W3 are summarized in Table 2.2.

Month	Average Dissolved Oxygen (DO) in mg/L (Range)
August 2011	6.44 (7.31 – 4.44)
September 2011	6.08 (7.32 – 4.49)
October 2011	5.91 (6.86 – 5.09)
November 2011	5.79 (6.72 – 4.62)
December 2011	6.50 (7.91 – 5.09)
January 2012	7.14 (8.89 – 5.10)

Table 2.2 Water quality monitoring results of Dissolved Oxygen at W3

By comparing the WQM results from August 2011 to January 2012 and Action/Limit level (Ebb Tide) of W3 in Table 2.1, it is observed that only one WQM result has not exceeded the Action/Limit level and all other WQM results have exceeded the Limit Level. The result is highlighted in Appendix D for reference. As mentioned before, the water quality of W3 will not be affected by any construction activities of the project, so that the cause of exceedance may due to the natural fluctuation such as temperature and seasonal change.

#### c. Variation between Dry and Wet Seasons

As the cause of exceedance may due to the seasonal change, the variation between dry and wet season is calculated as below for the compensation of seasonal change. As the water quality in the Wai Ha River (also referred to as Tung Tze Stream) is monitored under the Environmental Protection Department (EPD) routine river water quality monitoring programme. Ten years (Year 2001 to 2010) of river water quality data at station TR6 Tung Tze Stream are extracted from EPD database for the calculation of DO variation between Dry and Wet seasons. TR6 is located near the estuary of Tung Tze Stream and the location can refer to the map in Appendix E. The raw data are listed in Appendix F for reference. After analyzed the distribution of the ten years data (refer to Appendix G), median of DO for dry and wet seasons are used to calculated the DO variation to eliminate the effect of the lowest and the highest values. The DO variation between Dry and Wet seasons variation is calculated by equation (eqt. 2-1).

Variation = (Dry Season  $_{median}$  – Wet Season  $_{median}$ ) / Dry Season  $_{median}$  (eqt. 2-1)

According to the condition 3.7 of the Environmental Permit EP-303/2008, dry season should be defined from October to April; and the wet season should be defined from May to September. The data from October to April are used for the calculation of Dry Season; the data from April to October are used for the calculation of Wet Season. Total 6 sets of result for 3 different time period are calculated for comparison. Both median and mean of the DO have been calculated for time periods including 1) Recent year - Year 2010; 2) Four years data – from Year 2007 to 2010; and 3) Ten years data – from Year 2001 to 2010. The results can refer to Table 2.3.

Table 2.3 DO variation between dry and wet season from 2007 to 2010 at station TR6, Tung TzeStream

Collected Data	DO(mg/l)	Wet season	Dry season	Variation
Year 2010	Median	6.50	6.50	0%
Year 2007-2010	Median	5.65	6.55	13.74%
Year 2001-2010	Median	5.80	6.40	9.37%
Year 2010	Mean	6.16	6.36	3.14%
Year 2007-2010	Mean	5.81	6.28	7.48%
Year 2001-2010	Mean	5.85	6.38	8.31%

From the results in Table 2.3, the highest variation value 13.74% is used to enhance the effect of applying the variation. By applying the variation (13.74%) to the baseline data, a new set of Action/Limit level is calculated by equation (eqt. 2-2) and the result are shown in Table 2.4.

Revised Level = Original Level x (1-13.74%) (eqt. 2-2)

Para	ameters	Monitoring S Tio		Monitoring Stations (Ebb Tide)			
		Action Level	Limit Level	Action Level	Limit Level		
Original Level	DO (mg/L)	8.66	8.00	8.71	8.61		
Revised level	DO (mg/L)	7.47	6.90	7.51	7.43		

Table 2.4 New set of Action/Limit Level, using the calculated variation (13.74%)

With reference to the new set of Action/Limit level in Table 2.4, the higher DO level (Ebb tide) were used to compare with the WQM results from August 2011 to January 2012, it is observed that there were only five times of WQM results have not exceeded the Action/Limit level and all other 72 times of WQM results have exceeded the Limit Level. The result is highlighted in Appendix H for reference. Since W3 functions as the control station of this project, its water quality should not be affected by the construction works of this project. From the comparison results with the original and revised Action/Limit level, it was observed that both sets of Action/Limit level cannot reflect the actual river condition.

#### 3. Conclusion

After the consideration of seasonal change which may affect the DO of W3 in section 2.3, the DO of W3 will also exceed the Limit level in almost all the measurement day in both dry and wet seasons. After the consideration of seasonal change and applied the DO variation between wet and dry season to amend the Action/Limit level, the DO of W3 will also exceed the Limit level in both dry and wet seasons. Both the original and revised Action/Limit level could not reflect the actual condition of Wai Ha River. The Action/Limit level criteria should be revised so as to reflect the actual condition of Wai Ha River.

With reference to other EM&A projects of river work in Hong Kong (refer to Appendix I), the limit level for DO is 4 mg/L and without the comparison of the percentile of baseline data. Suggest that the Action Level criteria remain unchanged which is DO exceedance occur when impact monitoring data is lower than 5

percentile of baseline data; and the Limit Level criteria should be revised to DO exceedance occur when impact monitoring data is lower than 4 mg/L.

Parameter	Original Limit Level	<b>Revised Limit Level</b>
DO in mg/L	4 mg/L or 1%-ile of baseline	4 mg/L
	data	

### EP-303/2008 Water Quality Baseline Monitoring of Reference Point C1 - Flood

Position	Tide	Weather	Date	Time	Location	pH value	Salinity (ppt)	Temperature (°C)	Turbidity (NTU)	DO (mg/L)
				8:45	C1	8.5	28.1	18	0.1	9.21
Mid	Flood	Cloudy	2/3/2012	8:57	W2	7.16	4	18.1	11.7	7.16
				9:23	W1	7.12	0.1	19.3	6	7.47
	Mid Flood Cloudy		dy 5/3/2012	15:35	C1	8.59	28.3	20.8	0.1	9.5
Mid		Cloudy		15:18	W2	7.14	6.6	21	7.2	6.97
				15:00	W1	7.1	0.4	21.4	3.4	6.91
				16:45	C1	8.51	29	20.5	0.1	9.32
Mid	Flood	Cloudy	7/3/2012	16:30	W2	7.78	16.4	20.8	14.4	7.51
				16:00	W1	7.3	3.8	20.4	27.3	7.39
	Mid Flood F			9:40	C1	8.55	28.2	16.7	0.1	9.53
Mid		Rainy	12/3/2012	9:55	W2	8.18	26.3	16.9	1.2	7.86
				10:25	W1	7.94	21.5	16.9	5.3	8.27

EP-303/2008
Water Quality Baseline Monitoring of Control Point W3 - Flood

Location	Position	Tide	Date	Time	Weather	DO (mg/L)		Average	DO (%)		Average
Location	FUSILION	Tide	Dale	TIME	weather	Data 1	Data 2	Average	Data 1	Data 2	Average
W3	Mid	Flood	7/1/2011	9:20	Cloudy	9.55	9.46	9.51	88	89	89
W3	Mid	Flood	10/1/2011	12:00	Cloudy	10.12	10.13	10.13	113	110	112
W3	Mid	Flood	12/1/2011	12:50	Cloudy	7.83	7.86	7.85	95	96	96
W3	Mid	Flood	14/1/2011	13:00	Cloudy	9.67	9.52	9.60	98	96	97
W3	Mid	Flood	17/1/2011	15:40	Cloudy	9.92	9.81	9.87	105	104	105
W3	Mid	Flood	19/1/2011	17:45	Sunny	9.25	9.41	9.33	98	101	100
W3	Mid	Flood	21/1/2011	7:40	Sunny	10.86	10.52	10.69	103	104	104
W3	Mid	Flood	24/1/2011	9:15	Cloudy	9.56	9.71	9.64	101	106	104
W3	Mid	Flood	26/1/2011	11:00	Sunny	11.10	10.69	10.90	111	108	110
W3	Mid	Flood	28/1/2011	13:05	Sunny	10.21	9.89	10.05	103	99	101
W3	Mid	Flood	31/1/2011	16:10	Sunny	10.54	10.72	10.63	116	112	114
W3	Mid	Flood	2/2/2011	7:00	Cloudy	10.78	10.66	10.72	109	103	106
5 percentile	DO Action				8.	07	8.66				
1 percentile		DO Lim	nit			7.8	84	8.00			

EP-303/2008
Water Quality Baseline Monitoring of Control Point W3 - Ebb

Location	Position	n Tide	Date	Time	Weather	DO (mg/L)		Average	DO (%)		Average
Location	Position	Tide	Dale			Data 1	Data 2	Average	Data 1	Data 2	Average
W3	Mid	Ebb	7/1/2011	14:10	Cloudy	8.91	9.00	8.96	97	99	98
W3	Mid	Ebb	10/1/2011	17:10	Cloudy	9.00	8.85	8.93	94	91	93
W3	Mid	Ebb	12/1/2011	18:40	Cloudy	9.84	9.61	9.73	96	95	96
W3	Mid	Ebb	14/1/2011	7:50	Cloudy	9.98	9.77	9.88	101	95	98
W3	Mid	Ebb	17/1/2011	10:30	Cloudy	10.92	10.63	10.78	104	104	104
W3	Mid	Ebb	19/1/2011	11:25	Sunny	8.77	8.41	8.59	96	97	97
W3	Mid	Ebb	21/1/2011	13:10	Sunny	10.08	9.97	10.03	106	101	104
W3	Mid	Ebb	24/1/2011	15:30	Cloudy	8.93	8.67	8.80	96	94	95
W3	Mid	Ebb	26/1/2011	17:35	Sunny	10.71	10.24	10.48	109	103	106
W3	Mid	Ebb	28/1/2011	7:50	Sunny	9.58	9.55	9.57	97	84	91
W3	Mid	Ebb	31/1/2011	10:45	Sunny	11.33	10.76	11.05	113	106	110
W3	Mid	Ebb	2/2/2011	12:15	Cloudy	9.96	9.59	9.78	102	96	99
5 percentile	DO Action					8.	69	8.71			
1 percentile		DO Lin	nit			8.4	47	8.61			

<b>Monitoring Date</b>	DO mg/L	Monitoring Date	DO mg/L	<b>Monitoring Date</b>	DO mg/L			
1-Aug-2011	6.93	30-Sep-2011	5.52	1-Dec-2011	5.68			
3-Aug-2011	7.31	4-Oct-2011	5.09	3-Dec-2011	5.09			
6-Aug-2011	6.89	6-Oct-2011	5.12	6-Dec-2011	6.17			
8-Aug-2011	7.26	8-Oct-2011	5.89	8-Dec-2011	5.59			
11-Aug-2011	6.01	11-Oct-2011	6.09	10-Dec-2011	6.58			
13-Aug-2011	6.76	13-Oct-2011	6.53	13-Dec-2011	6.44			
15-Aug-2011	7.03	15-Oct-2011	5.19	15-Dec-2011	7.15			
17-Aug-2011	6.40	18-Oct-2011	5.21	17-Dec-2011	6.60			
19-Aug-2011	6.74	20-Oct-2011	6.04	20-Dec-2011	6.68			
23-Aug-2011	6.21	22-Oct-2011	6.86	22-Dec-2011	7.14			
25-Aug-2011	5.07	25-Oct-2011	6.58	24-Dec-2011	7.91			
27-Aug-2011	4.44	27-Oct-2011	6.39	29-Dec-2011	6.90			
30-Aug-2011	6.71	29-Oct-2011	5.92	31-Dec-2011	6.63			
1-Sep-2011	7.18	1-Nov-2011	5.66	3-Jan-2012	6.22			
3-Sep-2011	7.32	3-Nov-2011	6.64	5-Jan-2012	6.90			
6-Sep-2011	5.86	5-Nov-2011	6.58	7-Jan-2012	5.10			
8-Sep-2011	5.66	8-Nov-2011	5.47	10-Jan-2012	7.10			
10-Sep-2011	6.88	10-Nov-2011	6.72	12-Jan-2012	7.25			
12-Sep-2011	6.44	12-Nov-2011	6.53	14-Jan-2012	6.90			
15-Sep-2011	6.09	15-Nov-2011	6.51	17-Jan-2012	7.60			
17-Sep-2011	5.73	17-Nov-2011	4.74	19-Jan-2012	6.50			
20-Sep-2011	6.26	19-Nov-2011	4.62	21-Jan-2012	8.41			
22-Sep-2011	4.49	22-Nov-2011	5.09	26-Jan-2012	8.89			
24-Sep-2011	6.43	24-Nov-2011	5.70	28-Jan-2012	7.62			
26-Sep-2011	5.36	26-Nov-2011	5.69	31-Jan-2012	7.18			
28-Sep-2011	5.91	29-Nov-2011	5.38					

Appendix C – W3 Monitoring data of dissolved oxygen from August 2011 to January 2012

Monitoring Date	DO	Monitoring Date	DO	Monitoring Date	DO
1 4 2011	mg/L	20.0 2011	mg/L	1.D. 2011	mg/L
1-Aug-2011	6.93	30-Sep-2011	5.52	1-Dec-2011	5.68
3-Aug-2011	7.31	4-Oct-2011	5.09	3-Dec-2011	5.09
6-Aug-2011	6.89	6-Oct-2011	5.12	6-Dec-2011	6.17
8-Aug-2011	7.26	8-Oct-2011	5.89	8-Dec-2011	5.59
11-Aug-2011	6.01	11-Oct-2011	6.09	10-Dec-2011	6.58
13-Aug-2011	6.76	13-Oct-2011	6.53	13-Dec-2011	6.44
15-Aug-2011	7.03	15-Oct-2011	5.19	15-Dec-2011	7.15
17-Aug-2011	6.40	18-Oct-2011	5.21	17-Dec-2011	6.60
19-Aug-2011	6.74	20-Oct-2011	6.04	20-Dec-2011	6.68
23-Aug-2011	6.21	22-Oct-2011	6.86	22-Dec-2011	7.14
25-Aug-2011	5.07	25-Oct-2011	6.58	24-Dec-2011	7.91
27-Aug-2011	4.44	27-Oct-2011	6.39	29-Dec-2011	6.90
30-Aug-2011	6.71	29-Oct-2011	5.92	31-Dec-2011	6.63
1-Sep-2011	7.18	1-Nov-2011	5.66	3-Jan-2012	6.22
3-Sep-2011	7.32	3-Nov-2011	6.64	5-Jan-2012	6.90
6-Sep-2011	5.86	5-Nov-2011	6.58	7-Jan-2012	5.10
8-Sep-2011	5.66	8-Nov-2011	5.47	10-Jan-2012	7.10
10-Sep-2011	6.88	10-Nov-2011	6.72	12-Jan-2012	7.25
12-Sep-2011	6.44	12-Nov-2011	6.53	14-Jan-2012	6.90
15-Sep-2011	6.09	15-Nov-2011	6.51	17-Jan-2012	7.60
17-Sep-2011	5.73	17-Nov-2011	4.74	19-Jan-2012	6.50
20-Sep-2011	6.26	19-Nov-2011	4.62	21-Jan-2012	8.41
22-Sep-2011	4.49	22-Nov-2011	5.09	26-Jan-2012	8.89
24-Sep-2011	6.43	24-Nov-2011	5.70	28-Jan-2012	7.62
26-Sep-2011	5.36	26-Nov-2011	5.69	31-Jan-2012	7.18
28-Sep-2011	5.91	29-Nov-2011	5.38		

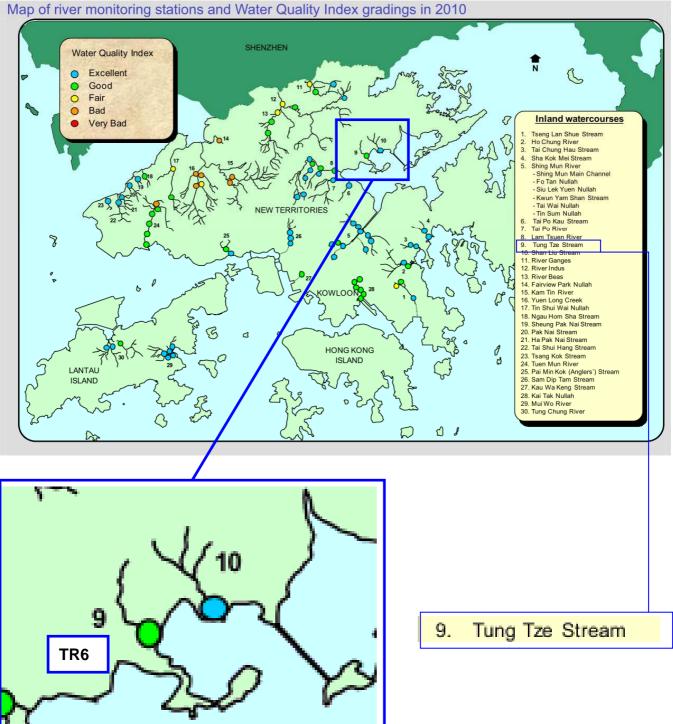
Appendix D - Exceedance records from August 2011 to January 2012 for Existing Criteria

**Remarks:** 

Red highlight: The value is exceeded Limit Level (<8.61)

Yellow highlight: The value is exceeded Action Level (<**8.71**)

### Appendix E – Location of TR6 at Tung Tze Stream



## Appendix F

### EP-303/2008 Dissolved Oxygen Level at Tung Tze Stream Dry Season

				DO (mg/l)
Tolo Harbour And Channel	Tung Tze Stream	TR6	3/1/2001	8.1
Tolo Harbour And Channel	Tung Tze Stream	TR6	12/2/2001	10.2
Tolo Harbour And Channel	Tung Tze Stream	TR6	16/3/2001	5
Tolo Harbour And Channel	Tung Tze Stream	TR6	19/4/2001	6.6
Tolo Harbour And Channel	Tung Tze Stream	TR6	12/10/2001	6.1
Tolo Harbour And Channel	Tung Tze Stream	TR6	16/11/2001	7.2
Tolo Harbour And Channel	Tung Tze Stream	TR6	17/12/2001	6.2
Tolo Harbour And Channel	Tung Tze Stream	TR6	18/1/2002	6.2
Tolo Harbour And Channel	Tung Tze Stream	TR6	20/2/2002	7.3
Tolo Harbour And Channel	Tung Tze Stream	TR6	18/3/2002	6.6
Tolo Harbour And Channel	Tung Tze Stream	TR6	18/4/2002	6.8
Tolo Harbour And Channel	Tung Tze Stream	TR6	3/10/2002	4.9
Tolo Harbour And Channel	Tung Tze Stream	TR6	4/11/2002	6.9
Tolo Harbour And Channel	Tung Tze Stream	TR6	5/12/2002	5.4
Tolo Harbour And Channel	Tung Tze Stream	TR6	3/1/2003	7.3
Tolo Harbour And Channel	Tung Tze Stream	TR6	7/2/2003	7.4
Tolo Harbour And Channel	Tung Tze Stream	TR6	6/3/2003	6.4
Tolo Harbour And Channel	Tung Tze Stream	TR6	10/4/2003	7.1
Tolo Harbour And Channel	Tung Tze Stream	TR6	8/10/2003	4.8
Tolo Harbour And Channel	Tung Tze Stream	TR6	6/11/2003	5.9
Tolo Harbour And Channel	Tung Tze Stream	TR6	4/12/2003	7.5
Tolo Harbour And Channel	Tung Tze Stream	TR6	9/1/2004	6.1
Tolo Harbour And Channel	Tung Tze Stream	TR6	4/2/2004	8.3
Tolo Harbour And Channel	Tung Tze Stream	TR6	3/3/2004	6
Tolo Harbour And Channel	Tung Tze Stream	TR6	2/4/2004	7.2
Tolo Harbour And Channel	Tung Tze Stream	TR6	8/10/2004	4.9
Tolo Harbour And Channel	Tung Tze Stream	TR6	4/11/2004	5.9
Tolo Harbour And Channel	Tung Tze Stream	TR6	2/12/2004	5.1
Tolo Harbour And Channel	Tung Tze Stream	TR6	7/1/2005	7.8
Tolo Harbour And Channel	Tung Tze Stream	TR6	1/2/2005	5.2
Tolo Harbour And Channel	Tung Tze Stream	TR6	4/3/2005	8.2
Tolo Harbour And Channel	Tung Tze Stream	TR6	8/4/2005	5.1
Tolo Harbour And Channel	Tung Tze Stream	TR6	7/10/2005	5.4
Tolo Harbour And Channel	Tung Tze Stream	TR6	3/11/2005	5.7
Tolo Harbour And Channel	Tung Tze Stream	TR6	5/12/2005	5.1
Tolo Harbour And Channel	Tung Tze Stream	TR6	5/1/2006	5.3
Tolo Harbour And Channel	Tung Tze Stream	TR6	3/2/2006	6
Tolo Harbour And Channel	Tung Tze Stream	TR6	8/3/2006	5.5
Tolo Harbour And Channel	Tung Tze Stream	TR6	3/4/2006	8.4
Tolo Harbour And Channel	Tung Tze Stream	TR6	5/10/2006	6.6
Tolo Harbour And Channel	Tung Tze Stream	TR6	3/11/2006	5.5
Tolo Harbour And Channel	Tung Tze Stream	TR6	5/12/2006	7.4

## Appendix F

### EP-303/2008 Dissolved Oxygen Level at Tung Tze Stream Dry Season

				DO (mg/l)
Tolo Harbour And Channel	Tung Tze Stream	TR6	5/1/2007	5.9
Tolo Harbour And Channel	Tung Tze Stream	TR6	2/2/2007	7.3
Tolo Harbour And Channel	Tung Tze Stream	TR6	2/3/2007	5.2
Tolo Harbour And Channel	Tung Tze Stream	TR6	13/4/2007	5.3
Tolo Harbour And Channel	Tung Tze Stream	TR7	4/10/2007	5.5
Tolo Harbour And Channel	Tung Tze Stream	TR6	2/11/2007	5
Tolo Harbour And Channel	Tung Tze Stream	TR6	4/12/2007	7.3
Tolo Harbour And Channel	Tung Tze Stream	TR6	7/1/2008	6.7
Tolo Harbour And Channel	Tung Tze Stream	TR6	13/2/2008	6.9
Tolo Harbour And Channel	Tung Tze Stream	TR6	6/3/2008	6.1
Tolo Harbour And Channel	Tung Tze Stream	TR6	10/4/2008	6.6
Tolo Harbour And Channel	Tung Tze Stream	TR6	20/10/2008	5.6
Tolo Harbour And Channel	Tung Tze Stream	TR6	13/11/2008	6.3
Tolo Harbour And Channel	Tung Tze Stream	TR6	2/12/2008	7
Tolo Harbour And Channel	Tung Tze Stream	TR6	7/1/2009	7.3
Tolo Harbour And Channel	Tung Tze Stream	TR6	6/2/2009	6.9
Tolo Harbour And Channel	Tung Tze Stream	TR6	5/3/2009	6.7
Tolo Harbour And Channel	Tung Tze Stream	TR6	20/4/2009	5.2
Tolo Harbour And Channel	Tung Tze Stream	TR6	16/10/2009	4.7
Tolo Harbour And Channel	Tung Tze Stream	TR6	16/11/2009	6.9
Tolo Harbour And Channel	Tung Tze Stream	TR6	16/12/2009	7
Tolo Harbour And Channel	Tung Tze Stream	TR6	6/1/2010	6.6
Tolo Harbour And Channel	Tung Tze Stream	TR6	18/2/2010	7.4
Tolo Harbour And Channel	Tung Tze Stream	TR6	3/3/2010	5.4
Tolo Harbour And Channel	Tung Tze Stream	TR6	8/4/2010	6.5
Tolo Harbour And Channel	Tung Tze Stream	TR6	20/10/2010	6.4
Tolo Harbour And Channel	Tung Tze Stream	TR6	17/11/2010	6.6
Tolo Harbour And Channel	Tung Tze Stream	TR6	15/12/2010	5.6

### EP-303/2008 Dissolved Oxygen Level at Tung Tze Stream Wet Season

				DO (mg/l)
Tolo Harbour And Channel	Tung Tze Stream	TR6	24/5/2001	6.1
Tolo Harbour And Channel	Tung Tze Stream	TR6	15/6/2001	5.7
Tolo Harbour And Channel	Tung Tze Stream	TR6	11/7/2001	7.9
Tolo Harbour And Channel	Tung Tze Stream	TR6	3/8/2001	6.6
Tolo Harbour And Channel	Tung Tze Stream	TR6	19/9/2001	5.2
Tolo Harbour And Channel	Tung Tze Stream	TR6	22/5/2002	4.1
Tolo Harbour And Channel	Tung Tze Stream	TR6	7/6/2002	5
Tolo Harbour And Channel	Tung Tze Stream	TR6	4/7/2002	5.4
Tolo Harbour And Channel	Tung Tze Stream	TR6	2/8/2002	5.7
Tolo Harbour And Channel	Tung Tze Stream	TR6	4/9/2002	5.8
Tolo Harbour And Channel	Tung Tze Stream	TR6	14/5/2003	5.7
Tolo Harbour And Channel	Tung Tze Stream	TR6	9/6/2003	4.9
Tolo Harbour And Channel	Tung Tze Stream	TR6	11/7/2003	6.2
Tolo Harbour And Channel	Tung Tze Stream	TR6	8/8/2003	5.8
Tolo Harbour And Channel	Tung Tze Stream	TR6	5/9/2003	5.6
Tolo Harbour And Channel	Tung Tze Stream	TR6	7/5/2004	6.5
Tolo Harbour And Channel	Tung Tze Stream	TR6	4/6/2004	5.8
Tolo Harbour And Channel	Tung Tze Stream	TR6	7/7/2004	5.2
Tolo Harbour And Channel	Tung Tze Stream	TR6	9/8/2004	6.5
Tolo Harbour And Channel	Tung Tze Stream	TR6	2/9/2004	6.7
Tolo Harbour And Channel	Tung Tze Stream	TR6	6/5/2005	6
Tolo Harbour And Channel	Tung Tze Stream	TR6	3/6/2005	5.8
Tolo Harbour And Channel	Tung Tze Stream	TR6	8/7/2005	6.4
Tolo Harbour And Channel	Tung Tze Stream	TR6	3/8/2005	5.5
Tolo Harbour And Channel	Tung Tze Stream	TR6	2/9/2005	6.5
Tolo Harbour And Channel	Tung Tze Stream	TR6	11/5/2006	5.2
Tolo Harbour And Channel	Tung Tze Stream	TR6	16/6/2006	7
Tolo Harbour And Channel	Tung Tze Stream	TR6	5/7/2006	5.6
Tolo Harbour And Channel	Tung Tze Stream	TR6	2/8/2006	6.7
Tolo Harbour And Channel	Tung Tze Stream	TR6	6/9/2006	5

### EP-303/2008 Dissolved Oxygen Level at Tung Tze Stream Wet Season

				DO (mg/l)
Tolo Harbour And Channel	Tung Tze Stream	TR6	3/5/2007	6.3
Tolo Harbour And Channel	Tung Tze Stream	TR6	1/6/2007	5.1
Tolo Harbour And Channel	Tung Tze Stream	TR6	5/7/2007	7.3
Tolo Harbour And Channel	Tung Tze Stream	TR6	2/8/2007	6.9
Tolo Harbour And Channel	Tung Tze Stream	TR6	10/9/2007	6.1
Tolo Harbour And Channel	Tung Tze Stream	TR6	16/5/2008	5.5
Tolo Harbour And Channel	Tung Tze Stream	TR6	18/6/2008	5.4
Tolo Harbour And Channel	Tung Tze Stream	TR6	18/7/2008	5.5
Tolo Harbour And Channel	Tung Tze Stream	TR6	25/8/2008	6.1
Tolo Harbour And Channel	Tung Tze Stream	TR6	18/9/2008	4.1
Tolo Harbour And Channel	Tung Tze Stream	TR6	7/5/2009	6
Tolo Harbour And Channel	Tung Tze Stream	TR6	3/6/2009	5.4
Tolo Harbour And Channel	Tung Tze Stream	TR6	17/7/2009	5.5
Tolo Harbour And Channel	Tung Tze Stream	TR6	7/8/2009	4.9
Tolo Harbour And Channel	Tung Tze Stream	TR6	17/9/2009	5.3
Tolo Harbour And Channel	Tung Tze Stream	TR6	27/5/2010	5.8
Tolo Harbour And Channel	Tung Tze Stream	TR6	30/6/2010	6.8
Tolo Harbour And Channel	Tung Tze Stream	TR6	19/7/2010	5
Tolo Harbour And Channel	Tung Tze Stream	TR6	13/8/2010	6.7
Tolo Harbour And Channel	Tung Tze Stream	TR6	9/9/2010	6.5

### EP-303/2008 Dissolved Oxygen Level at Tung Tze Stream Median of Dry Season

Date	DO(mg/l)
3/1/2001	8.1
12/2/2001	10.2
16/3/2001	5
19/4/2001	6.6
12/10/2001	6.1
16/11/2001	7.2
17/12/2001	6.2
18/1/2002	6.2
20/2/2002	7.3
18/3/2002	6.6
18/4/2002	6.8
3/10/2002	4.9
4/11/2002	6.9
5/12/2002	5.4
3/1/2003	7.3
7/2/2003	7.4
6/3/2003	6.4
10/4/2003	7.1
8/10/2003	4.8
6/11/2003	5.9
4/12/2003	7.5
9/1/2004	6.1
4/2/2004	8.3
3/3/2004	6
2/4/2004	7.2
8/10/2004	4.9
4/11/2004	5.9
2/12/2004	5.1
7/1/2005	7.8
1/2/2005	5.2
4/3/2005	8.2
8/4/2005	5.1
7/10/2005	5.4
3/11/2005	5.7
5/12/2005	5.1

For 2001 to 2010		
Minimum	4.7	
Median	6.40	
Maximum	10.2	
Mean	6.38	

### EP-303/2008 Dissolved Oxygen Level at Tung Tze Stream Median of Dry Season

Date	DO(mg/l)
5/1/2006	5.3
3/2/2006	6
8/3/2006	5.5
3/4/2006	8.4
5/10/2006	6.6
3/11/2006	5.5
5/12/2006	7.4
5/1/2007	5.9
2/2/2007	7.3
2/3/2007	5.2
13/4/2007	5.3
4/10/2007	5.5
2/11/2007	5
4/12/2007	7.3
7/1/2008	6.7
13/2/2008	6.9
6/3/2008	6.1
10/4/2008	6.6
20/10/2008	5.6
13/11/2008	6.3
2/12/2008	7
7/1/2009	7.3
6/2/2009	6.9
5/3/2009	6.7
20/4/2009	5.2
16/10/2009	4.7
16/11/2009 16/12/2009	6.9 7
6/1/2010	7 6.6
18/2/2010	7.4
3/3/2010	5.4
8/4/2010	6.5
20/10/2010	6.4
17/11/2010	6.6
15/12/2010	5.6

For 2007 to 2010	
Minimum	4.7
Median	6.55
Maximum	7.4
Mean	6.28

For 2010		
Minimum	5.4	
Median	6.50	
Maximum	7.4	
Mean	6.36	

### EP-303/2008 Dissolved Oxygen Level at Tung Tze Stream Median of Wet Season

Date	DO(mg/l)
24/5/2001	6.1
15/6/2001	5.7
11/7/2001	7.9
3/8/2001	6.6
19/9/2001	5.2
22/5/2002	4.1
7/6/2002	5
4/7/2002	5.4
2/8/2002	5.7
4/9/2002	5.8
14/5/2003	5.7
9/6/2003	4.9
11/7/2003	6.2
8/8/2003	5.8
5/9/2003	5.6
7/5/2004	6.5
4/6/2004	5.8
7/7/2004	5.2
9/8/2004	6.5
2/9/2004	6.7
6/5/2005	6
3/6/2005	5.8
8/7/2005	6.4
3/8/2005	5.5
2/9/2005	6.5
11/5/2006	5.2
16/6/2006	7
5/7/2006	5.6
2/8/2006	6.7
6/9/2006	5
3/5/2007	6.3
1/6/2007	5.1
5/7/2007	7.3
2/8/2007	6.9
10/9/2007	6.1
16/5/2008	5.5
18/6/2008	5.4 5.5
18/7/2008 25/8/2008	5.5 6.1
18/9/2008	4.1
10/0/2000	7.1

For 2001 to	o 2010
Minimum	4.1
Median	5.80
Maximum	7.9
Mean	5.85

For 2007 to	2010
Minimum	4.1
Median	5.65
Maximum	7.3
Mean	5.81

## Appendix G

### EP-303/2008 Dissolved Oxygen Level at Tung Tze Stream Median of Wet Season

Date	DO(mg/l)
7/5/2009	6
3/6/2009	5.4
17/7/2009	5.5
7/8/2009	4.9
17/9/2009	5.3
27/5/2010	5.8
30/6/2010	6.8
19/7/2010	5
13/8/2010	6.7
9/9/2010	6.5

For 20 <sup>°</sup>	10
Minimum	5.0
Median	6.50
Maximum	6.8
Mean	6.16

••		-			-		
<b>Monitoring Date</b>	DO mg/L	Monitoring Date	DO mg/L	<b>Monitoring Date</b>	DO mg/L		
1-Aug-2011	6.93	30-Sep-2011	5.52	1-Dec-2011	5.68		
3-Aug-2011	7.31	4-Oct-2011	5.09	3-Dec-2011	5.09		
6-Aug-2011	6.89	6-Oct-2011	5.12	6-Dec-2011	6.17		
8-Aug-2011	7.26	8-Oct-2011	5.89	8-Dec-2011	5.59		
11-Aug-2011	6.01	11-Oct-2011	6.09	10-Dec-2011	6.58		
13-Aug-2011	6.76	13-Oct-2011	6.53	13-Dec-2011	6.44		
15-Aug-2011	7.03	15-Oct-2011	5.19	15-Dec-2011	7.15		
17-Aug-2011	6.40	18-Oct-2011	5.21	17-Dec-2011	6.60		
19-Aug-2011	6.74	20-Oct-2011	6.04	20-Dec-2011	6.68		
23-Aug-2011	6.21	22-Oct-2011	6.86	22-Dec-2011	7.14		
25-Aug-2011	5.07	25-Oct-2011	6.58	24-Dec-2011	7.91		
27-Aug-2011	4.44	27-Oct-2011	6.39	29-Dec-2011	6.90		
30-Aug-2011	6.71	29-Oct-2011	5.92	31-Dec-2011	6.63		
1-Sep-2011	7.18	1-Nov-2011	5.66	3-Jan-2012	6.22		
3-Sep-2011	7.32	3-Nov-2011	6.64	5-Jan-2012	6.90		
6-Sep-2011	5.86	5-Nov-2011	6.58	7-Jan-2012	5.10		
8-Sep-2011	5.66	8-Nov-2011	5.47	10-Jan-2012	7.10	<b>Remarks:</b>	
10-Sep-2011	6.88	10-Nov-2011	6.72	12-Jan-2012	7.25		
12-Sep-2011	6.44	12-Nov-2011	6.53	14-Jan-2012	6.90	Red highligh	ht: The value is exceed
15-Sep-2011	6.09	15-Nov-2011	6.51	17-Jan-2012	7.60	Limit Level	(<7.43)
17-Sep-2011	5.73	17-Nov-2011	4.74	19-Jan-2012	6.50		
20-Sep-2011	6.26	19-Nov-2011	4.62	21-Jan-2012	8.41	Yellow high	llight: The value is
22-Sep-2011	4.49	22-Nov-2011	5.09	26-Jan-2012	8.89	exceeded A	Action Level (<7.51)
24-Sep-2011	6.43	24-Nov-2011	5.70	28-Jan-2012	7.62		
26-Sep-2011	5.36	26-Nov-2011	5.69	31-Jan-2012	7.18		
28-Sep-2011	5.91	29-Nov-2011	5.38				

Appendix H – W3 Monitoring data of dissolved oxygen from August 2011 to January 2012 with applying 13.74% variation

## Appendix I

### EP-303/2008 Enquiry of Revision for Action/Limit Level Criteria of Water Quality Monitoring

### **Reference Cases**

Case	Environmental Permit No.	Propject Title	EM&A Manual	EIA Report	Limit Level for Water Quality - DO
1.	EP-434/2012	Drainage Improvements in Southern Lantau	Section 4.8.1, Table 4.1		4mg/L
2.	EP-429/2012	Development of the Integrated Waste Management Facilities Phase 1	Section 4a.7.12, Table 4a.4		4mg/L
3.	EP-413/2011	Integration of Siu Ho Wan and Silver Mine Bay Water Treatment Works	Section 4.7.8, Table 4.2		4mg/L
4.	EP-334/2009	Sludge Treatment Facilities	Section 5.8.1.1, Table 5.3		4mg/L
5.	EP-224/2005	Proposed Extension of Public Golf Course at Kau Sai Chau, Sai Kung	Section 3.9.1, Table 3.8		4mg/L
6.	EP-217/2005	Drainage Improvements in Sai Kung		Section 4.7.3, Table 4.2	4mg/L
7.	EP-190/2004	Improvements to San Tin Interchange	Section 4.25, Table 4.1		4mg/L

Appendix O Site Diary

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1 Contractor: KWAN LEE - KULY JOINT VENTURE

Weather:

#### Typhoon / Warning Signal:

Nil

Date:

<u>AM</u>

Fine Cloudy

(Hong Kong Observatory's record)

<u>PM</u>

Rainfall (mm)

ST 0, TP 0

Instructions to Contractor (Record verbal instructions given)	Contractor's Site Staff No.	Labour	Code M	No.	Labour	Code	No.	] [p	ant
Martin a star Martinetions given/	Assistant Surveyor	Asphalter (Other Construction)	(301	.	Chairman				
		Asphalter (Roadworks)		{					No. Working No.
		Bamboo Scaffolder							
(Record verbal instructions given)     Assistant Surveyor     1     Asphalter (Other Construction)     C301     Chainman       Chainman     3     Asphalter (Roadworks)     C302     Concreting Labourer     C401     Type									
	Biol Instructure         Lander         Lander         Code         No.         Lander           Aufleter         1         Multic Characterizition         COD         No.         No. </th <th></th>								
Comments by Engineer's / Contractor's Representative				C30         Chainman         C401           C302         Concerting Labourer         C402           C303         Diver's Linesman / Dredger Crew         C403           C304         Exexuator         C404           C305         Heavy Load Labourer         C405           C306         Labourer (mak / female): Leny checker / Wachman Office attendas         C405           C306         Labourer (mak / female): Leny checker / Wachman Office attendas         C406           C308         Automation Equipment Mechanic         E301           C309         Baiding Services Mechanic         E302           C310         Cable Lointer (Power)         E303           C311         Cable Lointer (Power)         E303           C312         Electrician // Energe Crew         C305           C313         Lift Mechanic         E306           C314         Hastument Mechanic         E306           C315         Lift Mechanic         E306           C316         Lift Mechanic         E307           C317         Mechanical Filter         E312           C318         1         Overhead Linesman         E314           C321         Refigeration AC/Vertiliation Mechanic         E314           C322	2				
Contraction of the second			<u>C306</u>			C406	19	Mini Generator	2
			C307	1				Oxy-Acetylene	2 3
					Automation Equipment Mechanic	E301		Steel Bending Machine	. 3
					Building Services Mechanic	E302		Vibrating Prob	1
				[	Cable Jointer (Power)	E303			7
			C311		Carpenter		2		3
Utilities	· · · · · · · · · · · · · · · · · · ·		C312		Electrician/Electrical Fitter				2 2
(Record location & nature of works)			C313		Fire Services Mechanic				
			C314		Instrument Mechanic			······································	
		Electrician (Main Contractor's)	C315						m
	Safety Officer 1	Floor Layer	C316		Lift Mechanic			· · · · · · · · · · · · · · · · · · ·	
	Site Agent 1	Gas Plumber							
	Surveyor 1	General Welder		1	and the second				1997 - 19
		Glazier		·					
	-							· · · · · · · · · · · · · · · · · · ·	······
									ر الأربيسية المتحمية المتحمية
								┫╏	
				1					
Progress				{					· · · · · · · · · · · · · · · · · · ·
(Mention briefly any matter delaying or obstructing progress)						E319			
					a second s	E402			
	·····				Technician	Т			· · · · ·
		Pipelayer			· · · · · · · · · · · · · · · · · · ·				
Visitor		Plant and Equipment Operator (Builder's Lift and Other Machinery)							
(Record names of visitors and time of visit)		Plant & Equipment Operator (Earthmoving Machinery)		6					
	·····	Plant and Equipment Operator (Hoist and Crane)	C334 2	2					
		Plant and Equipment Operator (Piling)	C335						
	· · · · · · · · · · · · · · · · · · ·	Plant and Equipment Operator (Tunnelling)	C336					<b>   </b> · · · ···· · · · · · · · · · · · ·	·····
	:		C337	1					······
		Plumber	C338						
Accidents				1	· · · · · · · · · · · · · · · · · · ·		-	· ······ ·····························	
(Describe any occurance of accident)		Prestressing Operative		··· · · [				· · ····· · · · · · · · · · · · · · ·	
		Rigger/Metal Formwork Erector							
				···					
					,				
				·					
Remarks					the second of the second se	· · · · · · · · · · · · · · · · · · ·			and the second
						· · · · · · · · · · · · · · · ·			
					······································			· · · · · · · · · · · · · · · · · · ·	· •···
	· · · · · · · · · · · · · · · · · · ·								
		Window Emma Installer							
	Tatal 20	Wildow Flame histaner	0.350						
	Assistance to Engineer No.	····	-			÷.			
		······································							
									· · · · · · · · · · · · · · · · · · ·
			i						
	Driver 2			1			·		······
	Field Assistant 3			1	A second s				
	Office Assistant 1							···· ·································	·····
	Watchman	1111 - 2010 - 20				-			
	Total 10	(To be continued)							
	10 1	LIGHT CONTINUES	······		Total Labour		31	Total	28 10

<ul> <li>Working ganger is equivalent to ordinary worker in the trade in which he is employed or. if the trade is not listed, truck driver (refer to GS Table 1.1)</li> <li>Day's record and instructions checked and agreed</li> </ul>	Signed: Engineer's Representative	Signed:	Contractor's Representative
	Name/Post: Eddie Luk / Resident Engineer		Wong Ching Lung / Site Agent

Duplicate - Contractor

Date:

4/6/2012

## Contract No.: DC/2009/22 Date: 01/06/2012

Day: Friday

Signed:

IOW

Tso Sai Kuen / Inspector of Works

Date:

4/6/2012

Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

		······································					1 Sunday/F	BOIIC IIU	nuay				
Time	Location	Activity	Labour				Pla	nt				Material De	livered
						Туре	Wo	rking	1	Idling		Description	Quantity
			Trade	Code	No.		No.	ID	No.	ID	Code		
08:00 - 12:00	Area A - DN1800 Stormwater Drain	Laying PC units to form valve chamber and concreting for thrust blocks of existing 300Ø watermains	Labourer (male)	C406	2	Backhoe	1	EX45		1		,	
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1		-	1	<u>†</u>	1	1		-
08.00 10.00					1			1	1	·			
08:00 - 18:00	Area A - Pump Station	Formwork shuttering for ground beams BB1, BB11~BB13 & BB11A	Carpenter (Formwork)	C307	1	Backhoe		1	1	EX28	h	******	
			Labourer (male)	C406	2	Oxy-Acetylene			1	1	h		
						Steel Bending Machine			3		h		
						Water Pump 50mm	2	1	Τ	1			
						Water Pump 75mm	]						
08:00 - 18:00	Area A - Pump Station									1		······································	
	Alea A - Fump Station	Hack off concrete surface of parapet walls at switchroom & transformer room to correct vertical alignment	Labourer (male)	C406	1							*****************	
	Area A - Pump Station -								1				
	Box Culvert	No activity as per KLKJV arrangement											
07.00 10.00									1				
07:00 - 18:00 18:00 - 20:00	Area A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation Manual control of temporary traffic light for traffic flow regulation (1 male labourer from other area)	Labourer (female)	C406	3							······································	-
00.00.10.00								1		1		<u> </u>	
08:00 - 18:00	(CH110-160)	Laying PC units to form chamber, formwork shuttering & concreting to surround the PC units for SMH02 Laying 2 x Ø150 uPVC pipe from SMH02 to road gullies	Labourer (male)	C406	2	Backhoe			I	EX29	h		-
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe	<u> </u>			<u> </u>			
				(333		Cutting Machine	1	EX39		ļ			
	[					Mini Generator				<u> </u>			
				+						<u> </u>			
						Oxy-Acetylene Vibrating Prob		ļ	1	ļ	h		
						Water Pump 50mm	2						
					·	Welding Set	<u> </u>		1	<u> </u>	h		
						in stelling 194	+		1		n		
08:00 - 18:00	Area A - Ting Kok Road	Intake Structure - Stripping off formwork & making good the grouting face of stoplog frame (SL07A)	Labourer (male)	C406	1	Water Pump 50mm	1						
	(Intake Structure)					in an i an i poor in in i							
8:00 - 18:00	Area B - Tung Tsz	Ray 12 - Excepting transh along sharing line to any here 12											
	Nursery (CH130-CH280)	Bay 12 - Excavating trench along shoring line to remove boulders Bay 12 & 13 - Driving sheetpiles for trench shoring	Labourer (male)	C406		Backhoe	1	EX36					
			Plant & Equipment Operator (Earthmoving Machinery)	C333		Backhoe with Vibrating Hammer	1	EX47					
			Plant and Equipment Operator (Hoist and Crane)	C334	2	Backhoe with Vibrating Hammer	1	EX48					

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:

Engineer's Representative

Eddie Luk / Resident Engineer Name/Post:

Date:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

Date:

Signed:

4/6/2012

Date:

Day: Friday

IOW

Tso Sai Kuen / Inspector of Works

4/6/2012

Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour		<u>.</u>		Pla	nt				Material Del	livered
						Туре	Wo	rking		Idling		Description	Quantity
08:00 - 17:00			Trade	Code No.		1	No.	ID	No.	ID	Code		
08:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	Bay 6 - Erecting falsework and shuttering for soffit of top slab Stockpiling of soil meterial from jacking pit (14 truckloads)	Carpenter	E304	2	Backhoe	1	EX46					
			Labourer (male)	C406	3	Oxy-Acetylene		1	1	<del> </del> -			
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Water Pump 50mm	1	1	1	+		······································	
						Water Pump 75mm	1		1	<u> </u>			
· · · · · · · · · · · · · · · · · · ·						Welding Set	1	1	1	1		····	+
08.00 18.00	4							1	1	1			
08.00 - 18:00	Area B - Tung Tsz Nursery (Jacking Pit)	Excavating for jacking pit to 0.3 mPD Fabricating the second layer I-beam walings and struts for shoring	General Welder	C318	***	Backhoe	1	EX25	1	1		······································	
i 			Labourer (male)	C406	2	Generator	1	1	1	1		······································	
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Mini Generator	1		1				1
······································						Oxy-Acetylene	1			1			
						Welding Set	1			1			
08.00 17.00	Anna E. Chi Li M								1	1			
08:00 - 17:00	Area E - Siu Lek Yuen Rd.Playground	PL 1605.1 - Breaking up boulders and excavating for manhole S8 and drain pipe trench	Labourer (male)	C406	1	Backhoe	I	EX21					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Generator	1	1				······································	
						Oxy-Acetylene		1	1	1	h		<b></b>
						Water Pump 50mm	1		1				
						Water Pump 75mm	1	1				······	1
			·····			Welding Set			1		h		
	Area F - Lek Yuen Street	No activity as per KLKJV arrangement											
	Rest Garden			_	····								
	Area G - Ngan Shing St.	No activity as per KLKJV arrangement											
				+				<b> </b>					
	Area I - Contractor Office	No activity as per KLKJV arangement											

Day's record and instructions checked and agreed

Original · ER's File

Duplicate - Contractor

Sign	ed:
------	-----

Engineer's Representative

Name/Post: Eddie Luk/Resident Engineer Date: Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent 4/6/2012

Date:

Day: Friday

IOW

Tso Sai Kuen / Inspector of Works

4/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1

Contractor: KWAN LEE - KULY JOINT VENTURE

Weather:	
----------	--

#### Typhoon / Warning Signal:

<u>AM</u> <u>PM</u> Rainfall (mm)

Thunderstorm Warning - 19:15~20:30

Fine Fine ST 10, TP 20

(Hong Kong Observatory's record)

Instructions to Contractor (Record verbal instructions given)	Contractor's Site Staff No.	Labour	Code	No.	Labour	Code No.	Pian	t
	Assistant Surveyor 1	Asphalter (Other Construction)	C301		Chainman	C401		
	Chainman 3		C302				Туре	No. Working No. I
	Community Liaison Officer 1							
	CEG			1				
	Contract Manager							1
Comments by Engineer's / Contractor's Representative			0100					1
								· 3
				4				2
				<b>-</b>	Automation Equipment Mechanic			1 4
						E302	Steel Bending Machine	3
						E303	Water Pump 50mm	7
						E304	Water Pump 75mm	: 3
Addition         Addition         Addition         Constraints         Co	1 3							
(Record location & nature of works)				]	Fire Services Mechanic	E306		· · · · · · · · · · · · · · · · · · ·
					Instrument Mechanic	E307		
			C315		Lift Electrician			· · · · · · · · · · · · · · · · · · ·
			C316		Lift Mechanic		and the second	
			C317		Mechanical Fitter			
	Surveyor 1	General Welder	C318	1	Overhead Linesman		· · · ·	
			C319				··· · ····	······
		Ground Investigation Operator/Driller Borer					· · · · · · · · · · · · · · · · · · ·	and the second
	······	Grouting Worker		-	Refrigeration/AC/Ventilation Mechanic			·····
		Joiner	C322				······	······
		Leveller					· · · · · · · · · · · · · · · · · · ·	
			C324					i
		Marine Construction Plant Operator	(325					$m = \frac{1}{2} r_{c}$ (14)
Progress				1				and the second second
(Mention briefly any matter delaying or obstructing progress)				l			· ····· · ·········· · · · · · · · · ·	
							· · · · · · · · · · · · · · · · · · ·	
				· ·				
					l echnician			
					·····			
		Plant and Equipment Optimize (Buildeds 1:0 and Other Martine)						
		Diant & Equipment Occurring (European and Other Machinery)				-		
(Record names of visitors and time of visit)		Plant & Equipment Operator (Earthmoving Machmery)		. 1				
	a constant and a constant of a	riant and Equipment Operator (Hoist and Crane)		2	······			
	· · · · · · · · · · · · · · · · · · ·	Plant and Equipment Operator (Pling)						
								·····
(Describe any occurance of accident)	·····							·····
								· · · · · · · · · · · · · · · · · · ·
			C342					· · · · · · · · · · · · · · · · · · ·
			C343					
			C344			· .		·····
Remarks		Structural Steel Erector	C345					
<u>remarks</u>		Structural Steel Welder	C346		······································		· · · · · · · · · · · · · · · · · · ·	
		Tiler	C347		······································	· · · · · · · · · · · · · · · · · · ·	·····	
		Trackworker	C348	1	······		······	
		Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C349		····			
		Window Frame Installer	C350		and the second s			
	Total 20							
	Assistance to Engineer No.							
	NO,				······································	· · · · · · · · · · · · · · · · · · ·		<u>_</u>
	Amah	······································			· ····· · ········ · ······· · ·	···· · ··· · · · · · · · · · · · · · ·		and the second s
	Coordinate Engineer 1	and a submer of the second		···	······································			······
	Drafting Assistant 1							
	Driver 2	· · · · · · · · · · · · · · · · · · ·			the second se	1		
	Field Assistant 3							
	Office Assistant 1							
	Watchman 1	11 - 21 - 21 - 21 - 21 - 21 - 21 - 21 -	·					
					and the second sec			
	Total 9	(To be continued)	1.	1	Total Labour	36	Total	nananan ( an sharan an an sa an ara at a an an

<ul> <li>Working ganger is equivalent to ordinary worker in the trade in which he is employed or, if the trade is not listed, truck driver (refer to GS Table 1.1)</li> </ul>	Signed:	Signed:
Day's record and instructions checked and agreed	Engineer's Representative	Contractor's Kepresentative
	Name/Post: Eddie Luk / Resident Engineer	Wong Ching Lung / Site Agent

Date:

#### Original - ER's File

Duplicate - Contractor

Date:

4/6/2012

## Contract No.: DC/2009/22 Date: 02/06/2012

Day: Saturday

Signed:

- Eiow

Tso Sai Kuen / Inspector of Works

Date:

4/6/2012

Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Pla	nt			l l	Material De	livered
:						Туре	Wo	rking	1	Idling		Description	Quantity
			Trade	Code	No.	1	No.	10	No.		Code	•	
	Area A - DN1800 Stormwater Drain	No activity as per KLKJV arrangement				Backhoe			l	EX45	h		
08:00 - 18:00	Area A - Pump Station	Formwork shuttering for ground beams BB2, BB2A, BB3, BB15 & BB17	Carpenter (Formwork)	C307	2	Backhoe		-	1	EX28	h		
		General housekeeping Erecting staircase tower for access from wet well to +5.15 mPD slab											
			Labourer (female)	C406	2	Oxy-Acetylene		1	1	1	h		1
			Labourer (male)	C406	4	Steel Bending Machine		ł	3	1	h		1
						Water Pump 50mm	2		1	1			1
<u> </u>						Water Pump 75mm	]			1			T
						Welding Set			1		h		1
00.00 10.00								T		1			1
08:00 - 18:00	Area A - Pump Station	Hack off concrete surface of parapet walls at switchroom & transformer room to correct vertical alignment	Labourer (male)	C406	1								
	Area A - Pump Station -	No activity as per KLKJV arrangement			ļ								
	Box Culvert	No activity as per KLKJ v arrangement											
07:00 - 18:00	Area A Ting Kali Bood	Manual control of "stop/go" sign for traffic flow regulation											
18:00 - 20:00	Arca A - Thig Kok Road	Manual control of "stop/go" sign for traffic flow regulation Manual control of temporary traffic light for traffic flow regulation (1 male labourer from other area)	Labourer (female)	C'406	3	· · · · · · · · · · · · · · · · · · ·							
08:00 - 18:00	Area A - Ting Kok Road (CH110-160)	Excavating trench & laying of Ø375 concrete pipes (1 no. 0.45 m & 8 nos. 1.25 m) between SMH02 & SMH03	Labourer (male)	C406	3	Backhoe	1	EX29				*****	
	(Chilorios)	Stripping off formwork from SMH02 Backfilling & compacting granular material to surround Ø300 & Ø375 drain pipe Excavating to expose underground utilities along Ø2100 pipe trench at Ch. 110~120											
		Excurring to expose underground atmites along 62100 pipe fielder at Cir. (10~120	Plant & Equipment Operator (Earthmoving Machinery)	(1222		D 11			ļ	<b> </b>			
				C333		Backhoe	1	EX39	ļ	<u> </u>			4
···						Mini Generator	1	<u> </u>	<u> </u>	<u> </u>			
						Oxy-Acetylene			1		h		
			· · · · · · · · · · · · · · · · · · ·			Water Pump 50mm	2	ļ	<u> </u>			····	<b>_</b>
	-					Welding Set			1	L	h		<b></b>
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1						
							+						<u> </u>
)8:00 - 18:00	Area B - Tung Tsz Nursery (CH130-CH280)	Bay 11 - Excavating trench along shoring line to remove boulders Bay 11 & 13 - Driving sheetpiles for trench shoring	Labourer (male)	C406	2	Backhoe	1	EX36					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe with Vibrating Hammer	1	EX47				· · · · · · · · · · · · · · · · · · ·	
			Plant and Equipment Operator (Hoist and Crane)	C334	2	Backhoe with Vibrating Hammer	1	EX48					

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:

Engineer's Representative

Eddie Luk / Resident Engineer

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

Name/Post: Date:

Date:

4/6/2012

Date:

Contract No.: DC/2009/22 Date: 02/06/2012

Day: Saturday

IOW

Tso Sai Kuen / Inspector of Works

4/6/20N

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour			1	Pla					86.7 · 1 D	Material Delivered	
						Tune			T					
			Trade		<b>N</b> .	Туре		orking		Idling		Description	Quantity	
			11400	Code	No.		No.	ID	No.	ID	Code			
08:00 - 18:00	Area B - Tung Tsz	Bay 6 - Rebar fixing for walls and top slab of box culvert							<u> </u>					
	Nursery (CH40-CH130)	Stockpiling of soil meterial from jacking pit (12 truckloads)	Bar Bender & Fixer	C304	3	Backhoe	1	EX46						
			Labourer (male)	C406	3	Generator	1			1			1	
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Oxy-Acetylene		1	i	1	i			
						Water Pump 50mm	1	1		<u> </u>			1	
<u> </u>						Water Pump 75mm	1			1			1	
08:00 - 18:00	Area B - Tung Tsz	Exhibiting the state of the sta	· · · · · · · · · · · · · · · · · · ·								1			
00:00 - 18:00	Nursery (Jacking Pit)	Fabricating 2nd layer I-beam walings for shoring	General Welder	C318	1	Backhoe	1	EX25						
			Labourer (male)	C406	1	Generator	1	1		1				
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Mini Generator	1			<u> </u>				
						Oxy-Acetylene	1	1						
						Welding Set	1	1		1	<u> </u>			
00 00 17 00								1		1	††			
08:00 - 17:00	Area E - Siu Lek Yuen Rd.Playground	Outlet Structure - Breaking up protruded pipe end at embankment for installation of flap valve PL 1605.1 - Breaking up boulders and excavating for manhole S8 and drain pipe trench	Labourer (male)	C406	3	Backhoe	1	EX21						
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Electric Drill	1	†						
						Generator	1	<u> </u>		<u> </u>				
						Oxy-Acetylene			1		h		1	
						Water Pump 50mm	1	1	·····		tt-			
						Water Pump 75mm	1					·	1	
						Welding Set			1		h	· · · · · · · · · · · · · · · · · · ·	<u> </u>	
	Area E. Lab X Ch. (						1							
	Rest Garden	No activity as per KLKJV arrangement												
	Area G. Naan Shina St	No activity as per KLKJV arrangement											1	
	a source of the stand of the st	TO BELIVITY AS DEL FLED Y ATTANGEMENT				Electric Breaker	1						1	
	Area I - Contractor	No activity as per KLKJV arrangement		_									I	
	Office	a warray we per reary a mangement												

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:

Engineer's Representative

Name/Post: Eddie Luk/Resident Engineer

Date:

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

416/2012

Date:

Date:

Contract No.: DC/2009/22

Date: 02/06/2012

Day: Saturday

IOW

Tso Sai Kuen / Inspector of Works

4/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1 Contractor: KWAN LEE - KULY JOINT VENTURE

Weather:			Typhoon / Warning Signal:
<u>AM</u>	<u>PM</u>	Rainfall (mm)	Nil
Cloudy	Cloudy	ST 0.5, TP 0.5	

(Hong Kong Observatory's record)

Instructions to Contractor (Record verbal instructions given)	Contractor's Site Staff No.	Labour	Code No.	Labour	Code No.
(ACCOLU VELDAI HISTFUCTIONS given)		Asphalter (Other Construction)	0201		
		Asphalter (Roadworks)	<u>C301</u>	Chaimnan	C401
			C302	Concreting Labourer	C402
		Bamboo Scaffolder	C303	Diver's Linesman / Dredger Crew / Barge Crew	C403
	and a second sec	Bar Bender & Fixer	C304	Excavator	C404
Comments by Engineer's / Contractor's Representative		Bricklayer	C305	Heavy Load Labourer	C405
Contactus of Engineers (Contractor's Representative		Carpenter (Fender)	C306	Labourer (male / female) / Lorry checker / Watchman/Office attendan	C406 4
		Carpenter (Formwork)	C307	Sewennan	C407
		Concrete Repairer	C308	Automation Equipment Mechanic	E301
		Concretor	C309	Building Services Mechanic	E302
		Construction Plant Mechanic	C310	Cable Jointer (Power)	E303
		Curtain Wall Installer	C311	Carpenter	E303
1141144		Demolition Worker	C312	Electrician/Electrical Fitter	
Utilifies		Diver	C313	Electricial Electrical Filter	E305
(Record location & nature of works)		Drainlayer		Fire Services Mechanic	E306
		Electrician (Main Contractor's)	<u>C314</u>	Instrument Mechanic	E307
			C315	Lift Electrician	E308
	e a construction de la construct	Floor Layer	C316	Lift Mechanic	E309
		Gas Plumber	C317	Mechanical Fitter	E310
	· · · · · · · · · · · · · · · · · · ·	General Welder	C318	Overhead Linesman	E311
		Glazier	C319	Painter	E312
		Ground Investigation Operator Driller Borer	C320	Plumber and Pipe Filter	E313
		Grouting Worker	C321	Refrigeration/AC/Ventilation Mechanic	
		Joiner	C322		E314
		Leveller	0122	Sheet Metal Worker	E315
	-	Marble Worker	<u>C323</u>	Sign Fabricator	E316
		Marine Construction Plant Operator	C324	Sign Installer	E317
Progress			C325	Thermal Insulation Craftsman	E318
Mention briefly any matter delaying or obstructing progress)	••••••••••••••••••••••••••••••••••••••	Mason	C326	Welder	E319
included offerty and matter delaying of obstructing progress)	••••••••••••••••••••••••••••••••••••••	Metal Scaffolder	C327	Labourer	E401
		Metal Worker	C328	Semi-skilled Worker	E402
		Painter & Decorator	C329	Technician	Τ
		Piling Operative	C330		
		Pipelayer	C331	·······	· ····
		Plant and Equipment Operator (Builder's Lift and Other Machinery)		······	
Visitor		Plant & Equipment Operator (Earthmoving Machinery)	C332		
(Record names of visitors and time of visit)	11 A. 1997	r fant & Equipment Operator (Earthinoving Machinery)	C333		
	······	Plant and Equipment Operator (Hoist and Crane)	C334		
	······	Plant and Equipment Operator (Piling)	C335		
		Plant and Equipment Operator (Tunnelling)	C336		
		Plasterer	C337		
		Plumber	C338		
Accidents		Pneumatic Driller	C339		
(Describe any occurance of accident)		Prestressing Operative	C340		e e e e e e e e e e e e e e e e e e e
		Rigger/Metal Formwork Erector	C341		
		Shotcretor			: 
			C342		
		Shotfirer	C343		
		Slope Maintenance Worker	C344		
Remarks	••••••••••••••••••••••••••••••••••••••	Structural Steel Erector	C345		
REIRATES		Structural Steel Welder	C346		
		Tiler	C347		
		Trackworker	C348	······································	
		Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C349	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
		Window Frame Installer	C350	·······	
	Total	Contract of the state of the st			
		·		· · · · · · ·	÷
	Assistance to Engineer No.				
	Driver				
	Watchman 1			······································	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
		······································			
			;; ; ··· (		·· •
	Total 2	(To be continued)		Total Labour	

<ul> <li>Working ganger is equivalent to ordinary worker in the trade in which he is employed or, if the trade is not listed, truck driver (refer to GS Table 1.1)</li> <li>Day's record and instructions checked and agreed</li> </ul>	Signed: Engineer's Representative	Signed:	Contractor's Representative
	Name/Post: Eddie Luk/Resident Engineer		Wong Ching Lung / Site Agent

Date:

Original - ER's File Duplicate - Contractor

Date:

4/6/2012

## Contract No.: DC/2009/22 Date: 03/06/2012 Day: Sunday

Plant		
Type	No. Working	No. Idle 8
	····· ···· ···· ·	2 2
teel Bending Machine Vater Pump 50mm	6	3
Vater Pump 75mm	2	
· · · · · · · · · · · · · · · · · · ·		
·····	•	1 -
·		
	· · · · · · · · · · · · · · · · · · ·	····
·····		
	· · · ····	
····		
·····	· · ·	
· · · · · · · · · · · · · · · · · · ·		
·····		
	ہ • بر بیشن بیشنین	
·· · ·	·····	
	· · · · · · · · · · · · · · · · · · ·	
······································	·····	
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · ·	
tal	8	15

Signed:

Date:

IOW

Tso Sai Kuen / Inspector of Works

4/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour	Labour				nt		••••••••••••••••••••••••••••••••••••••		Material Delivered		
						Туре		rking	1	Idling		Description	Quantity	
			Trade	Code	No.	-	No.	ID	No.	ID	Code	a correption	Yuanuny	
	Area A - DN1800 Stornwater Drain	No activity as per KLKJV arrangement				Backhoe			1	EX45				
	Area A - Pump Station						-	1	1	1				
	And A - Y unp Station	No activity as per KLKJV arrangement				Backhoe			1	EX28	i	······································		
						Steel Bending Machine		1	3		i			
						Water Pump 50mm	2		1	1	11		1	
	-					Water Pump 75mm	1							
	Area A - Pump Station - box Culvert	No activity as per KLKJV arrangement												
07:00 - 18:00	Area A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation	Labourer (female)	C406	3	Backhoe			ļ	EVao				
18:00 - 20:00	(CH120-160)	Manual control of temporary traffic light for traffic flow regulation (1 male labourer from Area I)								EX29	i			
			_			Backhoe			1	EX39	i			
						Water Pump 50mm	2							
	Area A - Ting Kok Road	No activity as per KLKJV arrangement												
	(Intake Structure)		······································			Water Pump 50mm	1							
	Area B - Tung Tsz	No activity as per KLKJV arrangement				D 11			<b>_</b>	ļ				
	Nursery (CH130-CH280)					Backhoe			I	EX36	i			
						Backhoe with Vibrating Hammer			1	EX47	i			
						Backhoe with Vibrating Hammer			1	EX48	i			
	Arat D. Tune Ten													
	Area B - Tung Tsz Nursery (CH40-CH130)	No activity as per KLKJV arrangement				Backhoe			]	EX46	i			
	1					Generator			1		i			
						Water Pump 50mm	1					······	1	
						Water Pump 75mm	1							
	Area B - Tung Tsz	No activity as per KLKJV arrangement												
	Nursery (Jacking Pit)	The average as per relies a mangement				Backhoe			1	EX25	i			
	Area E - Siu Lek Yuen	No activity as per KLKJV arrangement	<u> </u>										1	
	Rd.Playground					Backhoe			I	EX21	i	· · · · · · · · · · · · · · · · · · ·		
						Generator			1		i			
	Area F - Lek Yuen Street	No activity as per KLKJV arrangement				·····								
	Rest Garden	2 E. L.									T	······	1	

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:

Engineer's Representative

Name/Post: Eddie Luk/Resident Engineer
Date:

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent 4/6 /2012

Date:

Date:

Contract No.: DC/2009/22

Date: 03/06/2012

Day: Sunday

2000 IOW

Tso Sai Kuen / Inspector of Works

4/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour	Labour			Plant						Material Delivered		
						Туре	Wo	Working Idling			Description	Quantity			
			Trade	Code	No.		No.	ID	No.	ID	Code				
	A 0 N 011 0-							1	1	İ — —					
<u> </u>	Area G - Ngan Shing St.	No activity as per KLKJV arrangement						1	1		1	······································			
								1	1						
08:00 - 18:00	Area I - Contractor Office	Office cleaning and site patrol	Labourer (male)	C406	1								1		

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Sign	٥đ٠
<b>UIE</b> H	cu.

Engineer's Representative

Name/Post: Eddie Luk/Resident Engineer Date:



Contractor's Representative

Signed:

Wong Ching Lung / Site Agent 4/6/2012

Date:

Date:

Contract No.: DC/2009/22

Date: 03/06/2012

Day: Sunday

72 IOW

Tso Sai Kuen / Inspector of Works

4/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1 Contractor: KWAN LEE - KULY JOINT VENTURE

<u>AM</u>	<u>PM</u>	Rainfall (mm)
Cloudy	Cloudy	ST 0, TP 0

Typhoon / Warning Signal:

Nil

(Hong Kong Observatory's record)

Weather:

Instructions to Contractor (Record verbal instructions given)	Contractor's Site Staff No.	Labour	Code No.	Labour	Code No.	] [	Plant
	Assistant Surveyor 1	Asphalter (Other Construction)	C301	Chainman	C401	Туре	
	Chainman 3	Asphalter (Roadworks)	C302	Concreting Labourer	C402	Backhoe	No. Working No. Ic
	Community Liaison Officer 1	Bamboo Scaffolder	C303	Diver's Linesman / Dredger Crew / Barge Crew	C402		
	CEG	Bar Bender & Fixer	C304 3	Excavator	C403 C404	Backhoe with Vibrating Hammer	<u> </u>
	Contract Manager 1	Bricklayer	<u>C305</u>	Heavy Load Labourer		Electric Breaker	
Comments by Engineer's / Contractor's Representative	Engineer	Carpenter (Fender)	C306	Labourer (male / female) / Lorry checker / Watchman Office att	C405	Electric Drill	<u>l</u>
	Environmental Officer 1	Carpenter (Formwork)	C307 1			Generator	3
	Foreman/Assistant Foreman 2	Concrete Repairer	C308	Sewerman	C407	Grab Lorry	1
	General Foreman	Concretor		Automation Equipment Mechanic	E301	Mini Generator	·
	Labour Officer 1	Construction Plant Mechanic		Building Services Mechanic	E302	Mobile Crane	
	Land Surveyor 1	Curtain Wall Installer	C310	Cable Jointer (Power)	E303	Oxv-Acetylene	1 4
	Project Director 1		C311	Carpenter	E304	Steel Bending Machine	
Utilities	Project Manager 2	Demolition Worker	C312	Electrician/Electrical Fitter	E305	Vibrating Prob	1
(Record location & nature of works)		Diver	C313	Fire Services Mechanic	E306	Water Pump 50mm	7
	Project Quantity Surveyor 1	Drainlayer	C314	Instrument Mechanic	E307	Water Pump 75mm	3
	Quantity Surveyor	Electrician (Main Contractor's)	C315	Lift Electrician	E308	Welding Set	1 2
	Safety Officer 1	Floor Layer	C316	Lift Mechanic	E309		
	Site Agent 1	Gas Plumber	C317	Mechanical Fitter	E310		
	Surveyor 1	General Welder	C318 1	Overhead Linesman	E311		a de la companya de la compa
		Glazier	C319	Painter	E312		
		Ground Investigation Operator/Driller Borer	C320	Plumber and Pipe Fitter	E313	··· ··· ··· ··························	
		Grouting Worker	C321	Refrigeration/AC/Ventilation Mechanic	E314		need a second
		Joiner	C322	Sheet Metal Worker		······································	يتنبيها والمتعادية والمتعادية والمتعادية والمتعادية والمتعادية والمتعادية والمتعادية والمتعادية والمتعادية والم
		Leveller	<u>C323</u>	Sign Fabricator	E315		
		Marble Worker	C324	Sign Installer	E316	· · · · · · · · · · · · · · · · · · ·	
		Marine Construction Plant Operator	C325		E317	and the second sec	
Progress		Mason		Thermal Insulation Craftsman	E318	· · · · · · · · · · · · · · · · · · ·	
(Mention briefly any matter delaying or obstructing progress)		Metal Scaffolder	C326	Welder	E319	· · · · · · · · · · · · · · · · · · ·	
		Metal Worker	C327	Labourer	E401		
	· · · · · · · · · · · · · · · · · · ·		C328	Semi-skilled Worker	E402	· · · · · · · · · · · · · · · · · · ·	
		Painter & Decorator	C329	Technician	T		
	· · · · · · · · · · · · · · · · · · ·	Piling Operative	C330		· · · · ·		
		Pipelayer	C331				
Visitor		Plant and Equipment Operator (Builder's Lift and Other Machinery)					
(Record names of visitors and time of visit)		Plant & Equipment Operator (Earthmoving Machinery)	C333 6				
		Plant and Equipment Operator (Hoist and Crane)	C334 4			· · · · · ·	· · · · · · · · · · · · · · · · · · ·
		Plant and Equipment Operator (Piling)	C335				
		Plant and Equipment Operator (Tunnelling)	C336				
		Plasterer	C337	and the second sec			
		Plumber	C338				······
Accidents		Pneumatic Driller	C339				
(Describe any occurance of accident)		Prestressing Operative	C340	· ····································			
		Rigger/Metal Formwork Erector	C341				
		Shotcretor	C342				
		Shotfirer	C342				· · · · · · · · · · · · · · · · · · ·
		Slope Maintenance Worker					
	····· ·····	Structural Steel Erector	C344	and attention on a			
Remarks		Structural Steel Welder	C345	······································			
			C346		· · · · · · · · · · · · · · · · · · ·		
		Tiler	C347	· · · · · · · · · · · · · · · · · · ·			
		Trackworker	C348	· · · · · · · · · · · · · · · · · · ·			
		Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C349				te et te service en antenna en a service en al service
		Window Frame Installer	C350				
	Total 19						· · · · · · · · · · · · · · · · · · ·
	Assistance to Engineer No.						1 · · · · · · · · · · · · · · · · · · ·
							······································
	Amah					• • • • • • • • • • • • • • • • • • • •	··· ··· ····
	Coordinate Engineer 1					······	······
	Drafting Assistant 1						
	Driver 2		*				
	Field Assistant 3						
	Office Assistant 1						
	Watchman 1				į.		
		······································	. į				
	Total 10	(To be continued)	1	Tetal Labour	37	Total	

* Working ganger is equivalent to ordinary worker in the trade in which he is employed or, if the trade is not listed, truck driver (refer to GS Table 1.1)	Signed:
Day's record and instructions checked and agreed	Engineer's Representative
	Name/Post: Eddie Luk / Resident Engineer

Signed: Contractor's Representative

Original - ER's File

Duplicate - Contractor

Date:

Date:

5/6/2012

Wong Ching Lung / Site Agent

### Contract No.: DC/2009/22 Date: 04/06/2012

Day: Monday

Signed:

Ć IOW

Tso Sai Kuen / Inspector of Works

Date:

5/6/2012

Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour			Plant						Material Delivered		
				ł			We	rking		Idling		Description	Quantity	
			Trade	Code	No.	Туре	No.		No.	-	Code			
			Plant and Equipment Operator (Hoist and Crane)	C334				+					+	
					[		1	1					1	
8:00 - 12:00 8:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	Bay 6 - Rebar fixing for top slab of box culvert (3 Bar Fixer) Stockpiling of excavated meterial from jacking pit (3 truckloads)	Bar Bender & Fixer	C304	3	Backhoe	1	EX46						
			Labourer (male)	C406	1	Generator	1	1	1				1	
			Plant & Equipment Operator (Earthnoving Machinery)	C333	1	Grab Lorry	1	1	1				1	
			Plant and Equipment Operator (Hoist and Crane)	C334	1	Oxy-Acetylene			1		h		<u> </u>	
						Water Pump 50mm	1	1	1				1	
						Water Pump 75mm	1		1				<u> </u>	
						Welding Set		1	1		h			
								1						
:00 - 18:00	Area B - Tung Tsz Nursery (Jacking Pit)	Fabricating 2nd layer of I-beam walings for shoring of jacking pit	General Welder	C318	1	Backhoe	1	EX25						
			Labourer (male)	C406	1	Generator	1	1						
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Oxy-Acetylene	1	1						
						Welding Set	1	1					<u> </u>	
							-	1					<u> </u>	
:00 - 17:00	Area E - Siu Lek Yuen Rd.Playground	Outlet Structure - Breaking up protruded pipe end and rendering to make good the pipe opening at embankment PL 1605.1 - Breaking up boulder and excavating for manhole S8 M/H and drain pipe trench	Labourer (male)	C406	3	Backhoe	1	EX21						
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Electric Drill	1	1					<u> </u>	
						Generator	1	1					Í	
						Oxy-Acetylene			I I		h			
						Water Pump 50mm	1	1						
						Water Pump 75mm	1				·			
						Welding Set	_	1	1		h			
				11		<u> </u>		<u> </u>						
	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement												
	Area G - Ngan Shing St.	No activity as per KLKJV arrangement				Electric Breaker								
						Electric Breaker	1	ļ						
	Area I - Contractor Office	No activity as per KLKJV arrangement					-							

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Sign	ed:
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	

Engineer's Representative

Name/Post: Eddie Luk/Resident Engineer

Date:

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

Date:

516/2012

Date:

Contract No.: DC/2009/22

Date: 04/06/2012

Day: Monday

È IOW

Tso Sai Kuen / Inspector of Works

5/6/201

Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				······	Material Delivered					
						Туре	Pla Wo	1	Idling		Description	Quantity	
			Trade	Code	No.		No.		No.		Code	Description	Quantity
08:00 - 18:00	Area A - DN1800 Stornwater Drain	Excavating trench along shoring line to remove boulders	Labourer (male)	C406	1	Backhoe	1	EX29					
	-		Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe	-		1	EX45	h	······	
~~ ~~ ~~ ~~					1		1	1	$\square$				
08:00 - 19:00	Area A - Pump Station	Formwork shuttering, general cleaning and concreting for ground beams BB1~BB17 at Strore Room (Total : 53.8 cu.m)	Carpenter (Formwork)	C307	1	Backhoe			1	EX28	h	· · · · · · · · · · · · · · · · · · ·	
			Concretor	C309	2	Mobile Crane	1	1	1	1			
			Labourer (female)	C406	2	Oxy-Acetylene		1	1		h		
			Labourer (male)	C406	4	Steel Bending Machine		1	3	1	h	· · · · · · · · · · · · · · · · · · ·	
******			Plant and Equipment Operator (Hoist and Crane)	C334	1	Vibrating Prob	1	1	-	1	1		1
						Water Pump 50mm	2		1	1			1
						Water Pump 75mm	1						
	Area A - Pump Station -												
	Box Culvert	No activity as per KLKJV arrangement											
7:00 - 18:00	Area A Ting Kok Pood	Manual control of Potencies II for the Control of t											
8:00 - 20:00		Manual control of "stop/go" sign for traffic flow regulation (3 F/Lab.) Manual control of temporary traffic light for traffic flow regulation (1 male labourer from other area)	Labourer (female)	C406	3								
13:00 - 18:00	Area A - Ting Kok Road	Driving sheetpiles for shoring of Ø2100 pipe trench at Ch. 117~120 at footpath side											
	(CH110-160)	Driving sneetpiles for shoring of 02100 pipe trench at Ch. 117~120 at footpath side	Labourer (male)	C406	0.5	Backhoe with Vibrating Hammer	0.5	EX48					
			Plant and Equipment Operator (Hoist and Crane)	C334	0.5					1	1 1		
								1	<u>†</u>	1	††		
8:00 - 18:00	Area A - Ting Kok Road (CH110-160)	Excavating trench and laying Ø375 concrete pipe (1 no. 1.25 m) between SMH02 & SMH03	Labourer (male)	C406	3	Backhoe	1	EX39				<u> </u>	
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Mini Generator	1	1	1	1		·····	1
						Oxy-Acetylene	1	1	1	1	h		
						Water Pump 50mm	2	1	1	1			-
									1	1			1
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1			1			
8:00 - 18:00	Area B - Tung Tsz	Bay 11 Driving shortsibe for shoring of here been been											
0.00 - 10.00	Nursery (CH130-CH280)	Bay 11 - Driving sheetpiles for shoring of box culvert trench	Labourer (male)	C406	1	Backhoe	1	EX36					
			Plant & Equipment Operator (Earthmoving Machinery)	C333		Backhoe with Vibrating Hammer	1	EX47					1
			Plant and Equipment Operator (Hoist and Crane)	C334	1								1
8:00 - 12:00	A D. 75							[					1
	Area B - Tung Tsz Nursery (CH130-CH280)	Bay 13 - Driving sheetpiles for shoring of box culvert trench	Labourer (male)	C406		Backhoe with Vibrating Hammer	0.5	EX48				······································	

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Engineer's Representative

Name/Post: Eddie Luk / Resident Engineer

Date:

Date:

Signed:

Wong Ching Lung / Site Agent 5/6/2012

Contractor's Representative

Date:

Signed:

Contract No.: DC/2009/22

Date: 04/06/2012

Day: Monday

IOW

Tso Sai Kuen / Inspector of Works

5/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1 Contractor: KWAN LEE - KULY JOINT VENTURE

Weather:		
AM	<u>PM</u>	Rainfall (mm)

Fine

Typhoon / Warning Signal:

Nil

ST 0, TP 0

(Hong Kong Observatory's record)

Fine

Instructions to Contractor (Record verbal instructions given)	Contractor's Site Staff No.	Labour	Code No.	Labour	Code No.		Plant
	Assistant Surveyor 1	Asphalter (Other Construction)	C301	Chainman	C401	Туре	No. Working No. Idle
	Chainman 3	Asphalter (Roadworks)	C302	Concreting Labourer	C402	Backhoe	A 2
	Community Liaison Officer	Bamboo Scaffolder	C303	Diver's Linesman / Dredger Crew / Barge Crew	C403	Backhoe with Vibrating Hammer	
	CEG	Bar Bender & Fixer	C304	Excavator	C404	Electric Drill	·······
	Contract Manager I	Bricklayer	C305	lieavy Load Labourer	C404		
Comments by Engineer's / Contractor's Representative	Engineer	Carpenter (Fender)	C306	Labourer (male / female) / Lorry checker / Watchman/Office atto		Generator Grab Lorry	
	Environmental Officer 1	Carpenter (Fornwork)	C307 3				
	Foreman/Assistant Foreman 2	Concrete Repairer	C308	Automation Equipment Mechanic	<u>C407</u>	Mini Generator	
·	General Foreman 1	Concretor	C309	Building Services Mechanic	E301	Oxy-Acetylene	
	Labour Officer 1	Construction Plant Mechanic	C309		E302	Steel Bending Machine	
	Land Surveyor 1	Curtain Wall Installer		Cable Jointer (Power)	E303	Water Pump 50mm	
	Project Director	Demolition Worker	C311	Carpenter	E304	Water Pump 75mm	3
Utilities	Project Manager 2		C312	Electrician/Electrical Fitter	E305	Welding Set	2 1
(Record location & nature of works)		Diver	C313	Fire Services Mechanic	E306	<b>[</b> ]	
	Project Quantity Surveyor 1	Drainlaver	C314	Instrument Mechanic	E307		
	Quantity Surveyor	Electrician (Main Contractor's)	C315	Lift Electrician	E308		· · · · · · · · · · · · · · · · · · ·
	Safety Officer 1	Floor Layer	C316	Lift Mechanic	E309		
	Site Agent 1	Gas Plumber	C317	Mechanical Fitter	E310		
	Surveyor 1	General Welder	C318 1	Overhead Linesman	E311		
		Glazier	C319	Painter	E312		
		Ground Investigation Operator Driller Borer	C320	Plumber and Pipe Fitter	E313		······
		Grouting Worker	C321	Refrigeration/AC/Ventilation Mechanic	E314		en e
		Joiner	C322	Sheet Metal Worker	F315		······
	-	Leveller	<u>C323</u>	Sign Fabricator			
	······································	Marble Worker	C324		E316		· · · · · · · · · · · · · · · · · · ·
		Marine Construction Plant Operator		Sign Installer	E317		
Progress		Mason	<u>C325</u>	Thermal Insulation Craftsman	E318		
(Mention briefly any matter delaying or obstructing progress)		Metal Scaffolder	C326	Welder	E319		-
		Metal Worker	C327	Labourer	E401		
			C328	Semi-skilled Worker	E402		: :
		Painter & Decorator	C329	Technician	T		
		Piling Operative	C330				
		Pipelayer	C331				
Visitor		Plant and Equipment Operator (Builder's Lift and Other Machine	ery) C332				
(Record names of visitors and time of visit)		Plant & Equipment Operator (Earthmoving Machinery)					
		Plant and Equipment Operator (Hoist and Crane)	C334 3				
		Plant and Equipment Operator (Piling)	C335				
		Plant and Equipment Operator (Tunnelling)	C336				
		Plasterer	C337				·······
		Plumber	C338				···· ··· ··· ··· ··· ··· ······ ··· ··
Accidents		Pneumatic Driller	C339				······
(Describe any occurance of accident)		Prestressing Operative	C340				
		Rigger/Metal Formwork Erector	C341				
		Shotcretor	C342				
		Shotfirer	C343	····		a second s	₹.ees
		Slope Maintenance Worker	C344				ere communication and and a second
		Structural Steel Erector	C345	· · · · · · · · · · · · · · · · · · ·			
Remarks		Structural Steel Welder	C345				
Area B - Backhoe EX36 off site at moring		Tiler		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
		Trackworker	C347			··· .	····
	····· · ··· ··························	Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C348		· · · · · · · · · · · · · · · · · · ·		
	······································	Direct Diver Coxswall' Barge Engineer' Working Ganger	C349				
	Total 10	Window Frame Installer	<u>C350</u>				
	Maadama	and the second					
	Assistance to Engineer No.	······································					
	Amah						1
	Coordinate Engineer 1						· · · · · · · · · · · · · · · · · · ·
	Drafting Assistant						
	Driver 2						waaraa ahaa ahaa ahaa ahaa ahaa ahaa aha
	Field Assistant 3						· · · · · · · · · · · · · · · · · · ·
	Office Assistant 1						
	Watchman			· · · · · · ·			a modern market and a me
	Total 10	(To be continued)		Total Labour	36		
	10					Total	

* Working ganger is equivalent to ordinary worker in the trade in which he is employed or, if the trade is not listed, truck driver (refer to GS Table 1.1)	Signed:	Engineer's Representative				
Day's record and instructions checked and agreed	Name/Post:	Eddie Luk / Resident Engineer				

Signed: Contractor's Representative

Wong Ching Lung / Site Agent

Original - ER's File

Duplicate - Contractor

Date:

······

Date:

6/6/2012

### Contract No.: DC/2009/22 Date: 05/06/2012

Day: Tuesday

Signed:

IOW

Tso Sai Kuen / Inspector of Works

Date:

6/6/2012

### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Pla	nt			I	Material Delivered		
						Туре	Working		ng Idling			Description	Quantity	
			Trade	Code	No.		No.	ID	No.	ID ID	Code	*		
08:00 - 18:00	Area A - DN1800 Stormwater Drain	Excavating trench along shoring line to remove boulders	Labourer (male)	C406	1	Backhoe	1	EX29						
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1			1		1	<u> </u>			
08:00 - 18:00	Anna A. Dunna Station							_					1	
08.00 - 18:00	Area A - Pump Station	Hack off concrete surface of parapet walls at switchroom & transformer room to correct vertical alignment	Labourer (male)	C406	1									
08:00 - 18:00	Arrest David Charl													
08:00 - 18:00	Area A - Pump Station	Stripping off formwork from ground beams BB1~BB17 at store room Grass cutting & general housekeeping	Carpenter (Fornwork)	C307	1	Backhoe			1	EX28	h			
· · · · · · · · · · · · · · · · · · ·			Labourer (female)	C406	2	Oxy-Acetylene	1	1	1	1	h			
			Labourer (male)	C406	3	Steel Bending Machine	1	1	3	1	h			
						Water Pump 50mm	2	1		1				
ļ						Water Pump 75mm	1	1	[	1			1	
								1		1			1	
	Area A - Pump Station - Box Culvert	No activity as per KLKJV arrangement												
00.00 10.00							1	1					1	
07:00 - 18:00 18:00 - 20:00	Area A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation Manual control of temporary traffic light for traffic flow regulation (1 male labourer from other area)	Labourer (female)	C406	3									
08:00 - 18:00														
	(CH110-160)	Excavating trench & laying Ø375 concrete pipes (12 nos. 1.25 m) between SMH02 & SMH03 Driving sheetpiles for shoring of Ø2100 pipe trench at Ch. 114~117, footpath side	Labourer (male)	C406	4	Backhoe	1	EX39						
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe		1	1	EX45	h			
			Plant and Equipment Operator (Hoist and Crane)	C334	1	Backhoe with Vibrating Hammer	1	EX48						
	-					Mini Generator	1	1					1	
						Oxy-Acetylene	1						1	
						Water Pump 50mm	2					······	-	
						Welding Set	1	1						
							1							
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1							
0.00.00														
)8:00 - 18:00	Area B - Tung Tsz Nursery (CH130-CH280)	Bay 11 - Driving sheetpiles for shoring of box culvert trench	Labourer (male)	C406		Backhoe with Vibrating Hammer	I	EX47						
			Plant and Equipment Operator (Hoist and Crane)	C334	1		1						1	
							1				t-			
08:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	Bay 6 - Formwork shuttering for walls Bay 5 - Backfilling between sheetpile shoring & base slab Dismantling lower layer 1-beams struts to facilitate walls construction	Carpenter (Formwork)	C307	2	Backhoe	I	EX46						
			Labourer (male)	C406	4	Generator	1					· · · · · · · · · · · · · · · · · · ·	+	

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	
	Engineer's Representative
Name/Post:	Eddie Luk / Resident Engineer
Date:	

Signed: Contractor

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

Date:

616/2012

Date:

Contract No.: DC/2009/22

Date: 05/06/2012

Day: Tuesday

Tu IOW

Tso Sai Kuen / Inspector of Works

6/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Pia	nt				Material Delivered		
						Туре	Working		]	Idling		Description	Quantity	
			Trade	Code	No.		No.	ID	No.	ID	Code	•		
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Oxy-Acetylene	1	1	1	1				
						Water Pump 50mm	1	1		1			-	
						Water Pump 75mm	1		1	1		- <u></u>		
								1	1	1	1			
08:00 - 18:00	Area B - Tung Tsz Nursery (Jacking Pit)	Fabricating 2nd layer I-beam struts for jacking pit Delivery of construction materials from storage compound to works area	General Welder	C318	1	Backhoe			1	EX25	h			
			Labourer (male)	C406	2	Generator	1		1	1		······	1	
			Plant and Equipment Operator (Hoist and Crane)	C334	1	Grab Lorry	1	1	1	1				
						Oxy-Acetylene	1		1	1				
·						Welding Set	1	1	†					
								1	1	1				
08:00 - 19:00	Area E - Siu Lek Yuen Rd.Playground	Outlet Structure - Installation of flap valve	Labourer (male)	C406	4	Backhoe	1	EX21						
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Electric Drill	1		1					
						Generator	1	1	1	1				
						Oxy-Acetylene			1	T	h		1	
						Water Pump 50mm	I							
			· · · · · · · · · · · · · · · · · · ·			Water Pump 75mm	1							
						Welding Set			l		h			
	Anne E. J. d. Varan Otara d								Į					
	Rest Garden	No activity as per KLKJV arrangement												
	Area G - Ngan Shing St	No activity as per KLKJV arrangement		_										
								<u> </u>	ļ	<b> </b>		·····	<u> </u>	
J=9.10	Area I - Contractor Office	No activity as per KLKJV arrangement			. <u></u>	<u> </u>				1				

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:

Engineer's Representative

Eddie Luk / Resident Engineer

Signed:

Contractor's Representative

Signed:

Date:

Wong Ching Lung / Site Agent

616/2012

Date:

Name/Post:

Date:

Contract No.: DC/2009/22 Date: 05/06/2012

Day: Tuesday

IOW

Tso Sai Kuen / Inspector of Works

6/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1 Contractor: KWAN LEE - KULY JOINT VENTURE

Weather:			Typhoon / Warning Signal:
AM	<u>PM</u>	Rainfall (mm)	Nil
Fine	Fine	ST 0, TP 0	

(Hong Kong Observatory's record)

Instructions to Contractor (Record verbal instructions given)	Contractor's Site Staff No.	Labour	Code	No.	Labour	Code M	lo. Pj	aut
	Assistant Surveyor	Asphalter (Other Construction)	C301		Chainman	C401	Type	NI- N/- 1/
	Chainman 3	Asphalter (Roadworks)	C302		Concreting Labourer	C402	Backhoe	No. Working No. 10
	Community Liaison Officer 1	Bamboo Scaffolder	C303	· · ·	Diver's Linesman / Dredger Crew / Barge Crew	C402 C403	Backhoe with Vibrating Hammer	
	CEG	Bar Bender & Fixer	C304		Excavator			2
	Contract Manager 1	Bricklayer	<u>C305</u>		Heavy Load Labourer	C404	Generator	3
Comments by Engineer's / Contractor's Representative	Engineer	Carpenter (Fender)	C306		Labourer (male / female) / Lorry checker / Watchman Office attendar	C405	Grab Lorry	
	Environmental Officer	Carpenter (Formwork)	<u>C307</u>	2		an enterent and a state of the second s	Mini Generator	1
	Foreman/Assistant Foreman 2	Concrete Repairer	C308		Sewerman	C407	Oxy-Acetylene	3 2
	General Foreman	Concretor			Automation Equipment Mechanic	E301	Steel Bending Machine	
	Labour Officer 1	Construction Plant Mechanic	C309		Building Services Mechanic	E302	Water Pump 50mm	7
	Land Surveyor 1	Curtain Wall Installer	C310		Cable Jointer (Power)	E303	Water Pump 75mm	. 4
	Project Director 1		C311		Carpenter	E304	Welding Set	2
Utilities	Project Manager 2	Demolition Worker	C312		Electrician/Electrical Fitter	E305		
(Record location & nature of works)		Diver	C313		Fire Services Mechanic	E306		
	Project Quantity Surveyor 1	Drainlayer	C314		Instrument Mechanic	E307		
	Quantity Surveyor	Electrician (Main Contractor's)	C315		Lift Electrician	E308		
	Safety Officer 1	Floor Layer	C316		Lift Mechanic	E309		
	Site Agent 1	Gas Plumber	C317		Mechanical Fitter	E310		
	Surveyor	General Welder	C318	1	Overhead Linesman	E311		
		Glazier	C319		Painter	E312	·······	· · · · · · · · · · · · · · · · · · ·
		Ground Investigation Operator/Driller/Borer	C320	1	Plumber and Pipe Fitter	E313	······	
		Grouting Worker	C321		Refrigeration/AC/Ventilation Mechanic	E314	····	
		Joiner	C322		Sheet Metal Worker	E314 E315		·····
		Leveller	C323		Sign Fabricator			
		Marble Worker	C324		Sign Installer	E316		
		Marine Construction Plant Operator	C325	1	Thermal Insulation Craftsman	E317		2
Progress		Mason	C326		Welder	E318		
(Mention briefly any matter delaying or obstructing progress)		Metal Scaffolder	C320	1	Labourer	E319		· · · · · · · · · · · · · · · · · · ·
		Metal Worker	C328		Semi-skilled Worker	E401		
		Painter & Decorator	C328 C329			E402		
		Piling Operative			Technician	Т		· · · · · · · · · · · · · · · · · · ·
		Pipelayer	C330					
		Plant and Equipment Operator (Builder's Lift and Other Machinery)	C331			4		
Visitor		Diant & Taning Equipment Operator (Bablier's Lat and Other Wachinery)	C332					
(Record names of visitors and time of visit)		Plant & Equipment Operator (Earthmoving Machinery)	C333	. 4		in in		
		Plant and Equipment Operator (Hoist and Crane)	C334			1		
		Plant and Equipment Operator (Piling)	C335					-
		Plant and Equipment Operator (Tunnelling)	C336		·······	1		
		Plasterer	C337					
		Plumber	C338					
Accidents		Pneumatic Driller	C339					
(Describe any occurance of accident)		Prestressing Operative	C340					· · · · · · · · · · · · · · · · · · ·
		Rigger/Metal Formwork Erector	C341					
		Shoteretor	C342	1				
		Shotfirer	C343					the second s
		Slope Maintenance Worker	C344					· · · · · · · · · · · · · · · · · · ·
Remarks	······	Structural Steel Erector	C345		· · · · · · · · · · · · · · · · · · ·			
Kenarks		Structural Steel Welder	C346				·····	······ ·······························
		Tiler	C347	· · ·	······································			
		Trackworker	C348				the second se	
		Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C349	· · 1			****	
		Window Frame Installer	C350		· · · · · · · · · · · · · · · · · · ·	•		
	Total 19							· · · · · · · · · · · · · · · · · · ·
	Assistance to Engineer No.		1	1	· ····································			· · · · · · · · · · · ·
	risastance to Engineer 140.					•••••••••••••••••••••••••••••••••••••••		
	Amah 1	· · · · · · · · · · · · · · · · · · ·				<u>.</u>		4
	Coordinate Engineer 1	······································	ei				······	
	Drafting Assistant I							· · · · · · · · · · · · · · · · · · ·
	Driver 2		£			- 		
	Field Assistant 3		1	·		· · · · · · · · · · · · · · · · · · ·		
	Office Assistant 1					:		
	Watchman 1	·	: :	· ·				
		(Take and the state)			······································			
	Total 10	(To be continued)	2.00		Total Labour	3	) Total	·····

* Working ganger is equivalent to ordinary worker in the trade in which he is employed or, if the trade is not listed, truck driver (refer to GS Table [.])	S
Day's record and instructions checked and agreed	

Signed:

Date:

**Engineer's Representative** 

Name/Post: Eddie Luk / Resident Engineer

Signed:

Contractor's Representative

Wong Ching Lung / Site Agent

711/2012

Original - ER's File

Duplicate - Contractor

Date:

#### Contract No.: DC/2009/22 Date: 06/06/2012

Day: Wednesday

Signed:

Date:

IOW

Tso Sai Kuen / Inspector of Works

7/6/2012

Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

							1 Sunday₂r		naay				
Time	Location	Activity	Labour		]	Pla	nt				Material Delivered		
						Туре	Wo	rking	ng Idling			Description	Quantity
			Trade	Code	No.	1	No.	10	No.	ID	Code		
	Area A - DN1800 Stormwater Drain	No activity as per KLKJV arrangement				Backhoe	1	1	1	EX29	h		
					<u> </u>			ļ	ļ		ļ		
08:00 - 18:00	Area A - Pump Station	Excavating trench for Ø100 & Ø150 uPVC cable duct between BB13 & BB14 Cleaning up sediments from wheel washing bay Laying G.I concealed conduits on soffil of roof at screen house	Labourer (female)	C406	2	Backhoe			1	EX28	h		
			Labourer (male)	C406	4	Oxy-Acetylene			1		h		
						Steel Bending Machine			3	<u> </u>	h h		
			1			Water Pump 50mm	2	╂────	<u> </u>		**		
					<b> </b>	Water Pump 75mm		1	<u>†</u>	1		······	1
					<u> </u>	1			<u> </u>	<u> </u>			1
08:00 - 18:00	Area A - Pump Station	Hack off concrete surface of parapet walls at switchroom & transformer room to correct vertical alignment	Labourer (male)	C406	1								_
	America Discover												
	Area A - Pump Station - Box Culvert	No activity as per KLKJV arrangement											
07:00 - 18:00	Area A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation (3 M/Lab.)				· · · · · · · · · · · · · · · · · · ·		L					
18:00 - 20:00		Manual control of stop go sign for traffic flow regulation (5 M/Lab.) Manual control of temporary traffic light for traffic flow regulation (1 male labourer from other area)	Labourer (female)	C406	3								
08:00 - 18:00	Area A - Ting Kok Road (CH110-160)	Excavating trench, laying PC gullies (2 nos.) and Ø150 uPVC outlet pipe to SMH02, then shuttering & laying concrete surround Driving sheetpiles for shoring of Ø2100 pipe trench at Ch. 114~120, carriageway side	Labourer (male)	C'406	3	Backhoe	]	EX39					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	2	Backhoe		EX45					
			Plant and Equipment Operator (Hoist and Crane)	C334	L	Backhoe with Vibrating Hammer	1	EX48					-
ļ						Mini Generator	1						
s 						Oxy-Acetylene	1	1					-
						Water Pump 50mm	2						
						Welding Set	1	<b></b>					
												· · · · · · · · · · · · · · · · · · ·	
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1						
08:00 - 18:00	Area B - Tung Tsz	Bay 10 - Driving sheetpiles for shoring of box culvert trench	Labourer (male)	C406	1	Backhoe	1	EX46					
	pruisely (C1150-CH280)	Bay 13 - Forming haul road between hoarding & trench shoring	Plast & Equipment Oceanity (C. 1. 1. 1. 1. 1. 1. 1.										
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe with Vibrating Hammer	1	EX47					
·····			Plant and Equipment Operator (Hoist and Crane)	C334	1								
			<u>]</u>										

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	
	Engineer's Rep
Name/Post:	Eddie Luk / Re

presentative

esident Engineer

Date:

Date:

Signed:

Wong Ching Lung / Site Agent

Contractor's Representative

716/2012

Date:

Signed:

Day: Wednesday

IOW

Tso Sai Kuen / Inspector of Works

7/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Location Activity Labour						Material Delivered					
						Туре	Wo	rking	Idling			Description	Quantity
			Trade	Code	No.	1	No.	ID	No.	ID	Code		
08:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	Bay 6 - Fixing tie bolts, walings & strut for wall formwork and pre-pour cleaning Bay 5 - Dismantling I-beams walings (lower layer) to facilitate walls construction Wheel washing bay - Cleaning up sediments	Carpenter (Formwork)	C307	2	Generator	I						
			Labourer (male)	C406	4	Oxy-Acetylene		1		<u> </u>			
	· · · · · · · · · · · · · · · · · · ·					Water Pump 50mm	1	1	<u> </u>	1			
					İ	Water Pump 75mm	1	1		+	<u>├</u>		
							··	1	1				
08:00 - 18:00	Area B - Tung Tsz Nursery (Jacking Pit)	Fabricating 2nd layer l-beam struts for jacking pit Transportation of construction materials from storage compound to works area	General Welder	C318	1	Backhoe			1	EX25	h		1
			Labourer (male)	C406	1	Generator	1	1		1			
			Plant and Equipment Operator (Hoist and Crane)	C334	1	Grab Lorry	1	1		1			+
						Oxy-Acetylene	1	1		1		····	1
						Welding Set	1	1		1			1
08:00 - 17:00	Area E - Siu Lek Yuen							1		1			1
/8.00 - 17:00	Rd.Playground	Manhole S8 - Trimming formation and placing blinding concrete	Labourer (male)	C406	1	Backhoe	1	EX21					······
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Generator	1	[······		1	-	······································	1
						Oxy-Acetylene			1		b		+
						Water Pump 50mm	1			1			1
						Water Pump 75mm	2						1
·····	Area F - Lek Yuen Street	No activity as per KLKJV arrangement											
	Rest Garden												
	Area G - Ngan Shing St.	No activity as per KLKJV arrangement											ļ
	Area I - Contractor	No activity as per KLKJV arrangement											
·····	Office										T		

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:

Engineer's Representative

Name/Post: Eddie Luk / Resident Engineer Date: Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent 7/6/2012

Date:

Contract No.: DC/2009/22

Date: 06/06/2012

Day: Wednesday

IOW

Tso Sai Kuen / Inspector of Works

7/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1 Contractor: KWAN LEE - KULY JOINT VENTURE

	Typhoon / Warning Signal:
--	---------------------------

Nil

<u>AM</u> <u>PM</u> Rainfall (mm) Fine Fine ST 0, TP 0

(Hong Kong Observatory's record)

Weather:

Commands to Tagging Ty Contraction Recorded and the common of the command of the common of	Instructions to Contractor (Record verbal instructions given)	Contractor's Site Staff No.	Labour	Code	No.	Labour	Code	No.	Plan	t
Linding Control 1         Applied Reserved         Control 1         Control 1<				C301		Chainman	C401		Туре	No. Working No. Id
Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss         Loss <thlos< th="">         Loss         <thloss< th="">         Lo</thloss<></thlos<>		· · · · · · · · · · · · · · · · · · ·						-		interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interview interv
Locataset In Pariser 1 Contractiv's Reversative         Contractive Reservative			Bamboo Scaffolder						Backhoe with Vibrating Hammer	
Constraints & Leaders's (Conjecture & Basicalization         Constraints & Leaders's (Conjecture & Basicalization         Head & Land Landanz         Constraints & Conjecture & Basicalization         Constraints & Conjecture & Basicalization         Constraints & Conjecture & Basicalization         Conjecture & Basicalization         Constraints & Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization         Conjecture & Basicalization		CEG	Bar Bender & Fixer					÷		
Design of a field line state of the		Contract Manager 1	Bricklayer							i
Distant Instant 2         Construction (Construction Construction Constructin Construction Construction Constructin Construction	Comments by Engineer's / Contractor's Representative	Engineer	Carpenter (Fender)			Labourer (male / female) / Lorry checker / Watchman Office atten				
Luidits         Comparison		Environmental Officer		C307	1		and a set of the set o	23		1
Benefit System         Listen         Color         National System         Dool         Note Final           Listen         System         Color         Color         Color         Color         Note Final           Listen         System         Color         Color         Color         Color         Note Final         Not		Foreman/Assistant Foreman 2			<u>+</u>			:		. 1
Utilitie         Charle Standard         Charle Standard </td <td></td> <td>General Foreman 1</td> <td></td> <td></td> <td></td> <td>Dullate Construction Meeting</td> <td></td> <td>÷.</td> <td></td> <td></td>		General Foreman 1				Dullate Construction Meeting		÷.		
Lutities         And Surveys         I         Provide State         Chi I         Description (Control Control Control Control Contron Control Control Control Co		Labour Officer 1						÷	Steel Bending Machine	
Interior         Project Director         Increasing Management         Project Director         Project Director <td></td> <td>Land Surveyor</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Water Pump 50mm</td> <td>6 1</td>		Land Surveyor							Water Pump 50mm	6 1
Bits of a struck of works)         Print Massace         2         Data         Control         Contro         Control         Control<	· · · · · · · · · · · · · · · · · · ·							į	Water Pump 75mm	2
Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second         Disciss a second <thdisciss a="" second<="" th=""> <thdisciss a="" second<="" t<="" td=""><td></td><td></td><td></td><td></td><td>· ·· ·</td><td></td><td></td><td></td><td>Welding Set</td><td></td></thdisciss></thdisciss>					· ·· ·				Welding Set	
Duality Surveyor         Becroise (data coursecon)         Ch15         Lat Biochain         Except           Sile Apent         1         Bio Chart         Ch15         Lat Biochain         Except           Sile Apent         1         Bio Chart         Ch15         Lat Biochain         Except           Sile Apent         1         Bio Chart         Ch17         Machainia         Except         Except <t< td=""><td>(Record location &amp; nature of works)</td><td></td><td></td><td></td><td>•••••••</td><td></td><td></td><td></td><td></td><td></td></t<>	(Record location & nature of works)				•••••••					
Mary Officer         1         Flore Lave         C10         Hit Machinal         E298           Sore-por         Sore-por         Sore-por         Sore-por         Control										
Sile Agait         1         Gar Pinnber         C11         Methodisal Intern         D10           Sile Agait         1         Gar Pinnber         C113         Verbind Lington         D10           Dadat         Charter         C13         Verbind Lington         D10           Dadat         Charter         C13         Verbind Lington         D10           Dadat         Charter         C13         Verbind Lington         D11           Dadat         Charter         C13         Verbind Lington         D13										
Since year         L         General Waker         C10         Decide all memo         E10         E10         E10										
Months         District         Operation         Clip         District         District <thdistrict< th=""> <thdistrict< th=""> <thdis< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>E310</td><td><u>.</u></td><td></td><td></td></thdis<></thdistrict<></thdistrict<>							E310	<u>.</u>		
Consult methods Data Data Data Data Data Data Data Dat		Surveyor				Overhead Linesman				
Image: control involves         C33         Pinder of Die Filter         Entityee         Entityee <td< td=""><td></td><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td></td><td></td><td></td><td></td><td></td><td>11</td><td></td></td<>		· · · · · · · · · · · · · · · · · · ·							11	
Image: construction of the second s							E313			······································
Image: black deal works         C122         Image: black deal works         Dist Media Works <thdist media="" th="" works<=""> <thdis <="" media="" td="" works<=""><td></td><td></td><td></td><td></td><td></td><td>Refrigeration/AC/Ventilation Mechanic</td><td></td><td></td><td></td><td>· · · · · · · · · · · · · · · · · · ·</td></thdis></thdist>						Refrigeration/AC/Ventilation Mechanic				· · · · · · · · · · · · · · · · · · ·
Neuroise         Control (and Part Operator)         Sim Exbristion         Exist of the source of the sou				C322					· · · · · · · · · · · · · · · · · · ·	
Progress     Bind     Madie Worker     C034     Sign Intalies     EV/7       (Meadion briefly any matter delaying or obstructing progress)     Madie Worker     C235     Numerical Isoution (rahman E) III.     EV/7       Mann     Constructing Part Operator     C235     Numerical Isoution (rahman E) IV/7     EV/7     EV/7       Mann     Constructing Part Operator     C235     Numerical Isoution (rahman E) IV/7     EV/7     EV/7       Mann     Construction Part Operator     C236     Numerical Isoution (rahman E) IV/7     EV/7     EV/7       Mann     Visitor     Construction Part Operator     C236     Numerical Isoution (rahman E) IV/7     EV/7       Plant A Equipment Operator (Painter/ I) II and Ober Makiney)     C333     Image: Construction III and Ober Makiney)     C334     Image: Construction III and Ober Makiney)       Mann Exception III and Operator (Painter/ III) III and Ober Makiney)     C334     Image: Construction III and Ober Makiney)     C334     Image: Construction III and Ober Makiney)       Mann Exception III and Operator (Painter)     C334     Image: Construction III and Ober Makiney)     C334			Leveller	C323					•	
Presests         Difference         Difference         C22.         Thermal Instalation Crithwama.         Exits           Massin         (Massing or obstracting progress)         Massin         (C32.6)         Vector         Exits         Ex		· · · · · · · · · · · · · · · · · · ·	Marble Worker						1	
Massion brieffy now matter distance or obstructing progress)         Masso         C326         Weder         Dial           Meat/set/file         C327         Labour         Edit         Edit           Viator         C328         Generation         For Acceler         Edit           Viator         C328         Generation         For Acceler         Edit           Viator         C330         Generation         T         For Acceler         Edit           Water         C330         For Acceler         C330         For Acceler         Edit           Water         Data ad Expignent Operator (Buller) Lit ad Other Machinery)         C333         2         For Acceler         For Accele			Marine Construction Plant Operator							
Internation function and matter measures of society     Metal Worker     C322     Encluder     E001       Wetal Worker     C328     Send-skiller Worker     E001       Wistor     Plant & Exclored Failer A Decorator     C339     Technician     T       Wistor     Plant & Exclored Failer A Decorator     C330	Progress								· · · · · · · · · · · · · · · · · · ·	
Vision     Paint & Decorator     C228     Femi-skilled Worker     E402       Pilling Operative     C330     T       Pilling Operative     C330     T       Pilling Operative     C333     T       Pilling Operative Operator (Baitrinsving Machiner)     C333     T       Pilling Operative Operator (Databasis Ling and Operator (Databasis Ling and Operator (Databasis Ling and Operator (Databasis Ling and Operator (Databasis Case)     T       Observer Case     C34     T       Post and Explorement Operator (Channelling)     C335     T       Post and Explorement Operator (Channelling)     C345     T       Shotecter (C	(Mention briefly any matter delaying or obstructing progress)		Metal Scaffolder							· ····
Visitor     Painter & Decostor     C22     Pechnician     T       Piling Operative     Piling Operative     C33     Piling Operative     C33       (Becord names of visitors and time of visit)     Pilint & Equipment Operator (Eatthorwing Machinery)     C33     3       Plant & Equipment Operator (Piling)     C33       Plant & Mediaphent Operator (Piling)     C33       B P Socklore EXO of site     Stoeffer       Boreture Steef     C34       Binetural Steef Exetor			Metal Worker							
Valor     Piling Operative     C33     1       Wator     Piling Activity     C33     3       Wat and Equipment Operator (Hinker's Lin and Other Machinery)     C33     3       Plant and Equipment Operator (Hinker's Lin and Other Machinery)     C33     2       Plant and Equipment Operator (Hinker's Lin and Other Machinery)     C33     2       Plant and Equipment Operator (Hinker's Lin and Other Machinery)     C33     2       Plant and Equipment Operator (Hinker's Lin and Other Machinery)     C33     2       Plant and Equipment Operator (Filling)     C33     2       Observice     C34     2       Plant and Equipment Operator (Filling)     C33       Observice     C34     2       Plant and Equipment Operator (Turnelling)     C33       Observice     C34     2       Part and Equipment Operator (Filling)     C33       Observice     C34       Part and Equipment Operator (Classico)     C34       Part and Equipment Operator (Classico)     C34       Observice     C34       Observice     C34       Stope Maintenance Worker     C34       Stope Maintenance Worker     C34       Stope Maintenance Worker     C34       Observice     C34       Stope Maintenance Worker     C34 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
Visitor     Pipelayer     C33       (Record names of visit)     Plant & Equipment Operator (Builde's Lift and Other Machiney)     C33     3       Plant & Equipment Operator (Entranoving Machinery)     C33     2       Plant and Equipment Operator (Entranoving Machinery)     C33     3       Plant and Equipment Operator (Entranoving Machinery)     C33     3       Plant and Equipment Operator (Entranoving Machinery)     C33     3       Plant and Equipment Operator (Function)     C33     -       Plant and Equipment Operator (Entranoving Machinery)     C33     -       Plant and Equipment Operator (Function)     C33     -       Plant and Equipment Operator (Function)     C33     -       Plant and Equipment Operator (Entranoving Machinery)     C34     -       Store Correlin Steel Velder     C14     -       Store Correlin Entranoving Machinery     -<						1 CONTERNI			4 km	· · · · · · · · · · · · · · · · · · ·
Vittor     Plate as Equipment Operator (Bitlers Lift and Other Machinery)     C33     3       (Record names of visitors and time of visit)     Plat at E Equipment Operator (Foliot and Crans)     C334     2       Plant and Equipment Operator (Foliot and Crans)     C335     2       Plant and Equipment Operator (Foliot and Crans)     C335     2       Plant and Equipment Operator (Funceling)     C337     2       Platt r     C338     2     2       Remarks     Stocteor     C441     2       Stocteor     C445     C445       Stocteor     C445     C446       Trackvorker     C44										
(Record names of visit)       Plant & Equipment Operator (Plantmoving Meshinery)       C33       3         Plant and Equipment Operator (Pling)       C33       2         Plant and Equipment Operator (Plant and										
Plant and Equipment Operator (Hoist and Crane)     C334     2       Plant and Equipment Operator (Tunnelling)     C335       Plant and Equipment Operator (Tunnelling)     C336       Plant and Equipment Operator (Tunnelling)     C346       Plant and Equipment Operator (C346     Storetor       Shotfier     C344       Shotfier     C346       Window Farme Installer     C346       Track Drive: Coawara: Barge Engineer Working Ganger' C348       Window Farme Installer     C350       Track Drive: Coawara: Barge Engineer Working Ganger' C350       Partiant     Partiant       Window Farme Installer     C	Visitor							·		
Accidents     Plant and Equipment Operator (Pling)     C335       Plant and Equipment Operator (Pling)     C335       Plant and Equipment Operator (Pling)     C337       Plant and Equipment Operator (Pling)     C337       Plant and Equipment Operator (Pling)     C336       Plant and Equipment Operator (Pling)     C336       Plant and Equipment Operator (Pling)     C337       Plant and Equipment Operator (Pling)     C336       Plant and Equipment Operator (Pling)     C336       Plant and Equipment Operator (Pling)     C337       Plant and Equipment Operator (Pling)     C336       Plant and Equipment Operator (Pling)     C341       Shotretor     C341       Shotretor     C342       Shotretor     C342       Shotretor     C346       Shotretor     C346 <td>(Record names of visitors and time of visit)</td> <td></td> <td>Plant or Equipment Operator (Lanunoving Machinery)</td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td>in the second second second second second second second second second second second second second second second</td> <td></td> <td></td> <td></td> <td></td>	(Record names of visitors and time of visit)		Plant or Equipment Operator (Lanunoving Machinery)		· · · · · · · · · · · · · · · · · · ·	in the second second second second second second second second second second second second second second second				
Accidents       Plant and Equipment Operator (Tunnelling)       C336         Basteer       C337         Plumber       C337         Pumber       C338         Part and Equipment Operator (Tunnelling)       C336         Plumber       C337         Pumber       C337         Pumber       C337         Pumber       C338         Particip (Steppend)       C341         Shote Extra of accident)       Remarks         ea B- Backhoe EXt7 off site Backhoe EXt7 off site Backhoe EXt7 off site Backhoe EXt8 on site etely Safety and Environmental Co-ordination Meeting #116 was held at 11:30A.M.       Total         Ital       10         Assistance       No         Anah       1         Coordinate Dengineer       No         Anah       1         Coordinate Dengineer       1         Drefere       2         Eickl Assistant       1         Drefere       2         Eickle Assistant       1         Drefere       2         Eickle Assistant       1			Plant and Equipment Operator (Hoist and Crane)		2					
Ascidents       Plastere       C337         Produmber       C337         Produmatic Driller       C339         Prestressing Operative       C340         Pistressing Operative       C341         Shottretor       C341         Shottretor       C342         Shottretor       C344         Shottretor       C344         Shottretor       C344         Shottretor       C344         Shottretor       C346         Backhoe EX47 off site       Structural Steel Erector         Backhoe EX47 off site       Structural Steel Erector         Backhoe EX48 on site       Firackworker         C346       Firackworker         C346       Firackworker         C346       Firackworker         C346       Firackworker         C346       Firackworker         Firackworker       C346         Firackworker       C349 <td></td> <td>The second s</td> <td>riant and Equipment Operator (Piling)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	riant and Equipment Operator (Piling)							
Ascidents     Plumber     C338       (Describe any occurance of accident)     Prestitestine Donerative     C340       Remarks     Remarks     Shottretor     C341       Shottretor     C342     Shottretor     C342       Shottretor     C342     Shottretor     C342       Shottretor     C344     Structural Steel Vedder     C346       Backhoe EX47 off site     Structural Steel Vedder     C346       Tiler     C347     Structural Steel Vedder     C348       Total     19     Nindow Frame Installer     C350       Total     19     Stractural Steel Vedder     C340       Nondard     1     Coordinate Engineer     Noi       Amah     1     Signame     Signame       Drifting Assistant     1     Signame     Signame		······································				· · · · · · · · · · · · · · · · · · ·				
Accidents       Preumatic Driller       C339         (Describe any occurance of accident)       Preumatic Driller       C339         Remarks       Shofferer       C341         Shofferer       C343       Shofferer         Shofferer       C343       Shofferer         Shofferer       C343       Shofferer         Shofferer       C343       Shofferer         Shofferer       C344       Shofferer         Shofferer       C344       Shofferer         Shofferer       C344       Shofferer         Backhoe EX47 off site       Structural Steel Velder       C346         Backhoe EX08 on site       Shofferer       C346         Track vorker       C348       Trackvorker         Track vorker       C346       Structural Steel Welder       C346         Track vorker       C346       Structural Steel Welder       C346         Track vorker       C348       Structural Steel Welder       C346         Track vorker       C348       Structural Steel Welder       C340         Window Frame Installer       C350       Steel Working Ganger*       C349         Total       10       Steinance to Engineer       No         Amah       1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td>										· · · · · · · · · · · · · · · · · · ·
(Describe any occurance of accident)       Prestessine Operative       C:40         Rigger/Metal Fornwork Erector       C:341         Shottretor       C:342         Shottretor       C:343         Shottretor       C:344         Shottretor       C:345         Stackhoe EX47 off site       Structural Sited Erector         Backhoe EX47 off site       Tiler         Prestexsing Operative       C:345         Structural Sited Erector       C:345         Vindow Frame Installer       C:347         Total       19         Assistance to Engineer       Norking Ganger*         Vindow Frame Installer       C:350         Vindow Frame Installer       C:350         Driver       2         Field Assistant       1         Office Assistant       1         Office Assistant       1							-			······································
Remarks       Shottretor       C341         Shottretor       C342         Shottretor       C343         Shottretor       C342         Shottretor       C343         Shottretor       C342         Shottretor       C343         Shottretor       C343         Shottretor       C343         Shottretor       C344         Shottretor       C344         Shottretor       C344         Shottretor       C344         Structural Steel Erector       C344         Structural Steel Velder       C346         Tiler       C347         Trackworker       C348         Tock Driver / Cosswain / Barge Engineer / Working Ganger*       C349         Window Frame Installer       C350         Torial       19         Assistance to Engineer       No.         Annah       1         Condinate Engineer       1         Driver       2         Field Assistant       3         Office Assistant       1	Accidents	· · · · · · · · · · · · · · · · · · ·		C339						
Remarks     Shotcretor     C342       ShotTisr     C344       ShotTisr     C344       Structural Steel Exector     C344       Structural Steel Exector     C344       Structural Steel Exector     C344       Structural Steel Exector     C344       Structural Steel Welder     C346       Tiler     C347       Tiler     C347       Window Frame Installer     C349       Window Frame Installer     C340       Annah     1       Coordinate Engineer     No.       Arnah     1       Driver     2       Field Assistant     1       Office Assistant     1	(Describe any occurance of accident)			C340	]				· · · · · · · · · · · · · · · · · · ·	
Remarks       Shotfirer       C343         as B - Backhoe EX08 on site       Structural Steel Feetor       C344         Backhoe EX08 on site       Tiler       C346         Backhoe EX08 on site       Tiler       C346         Backhoe EX08 on site       Tiler       C346         Backhoe EX08 an site       Tiler       C346         Window Frame Installer       C348         View Coordination Meeting #116 was held at 11:30A.M.       Trackworker         Assistance to Engineer       No         Amain       1         Driver       2         Field Assistant       3         Office Assistant       1			Rigger'Metal Fornwork Erector	C341						· · · ·
Remarks     Slope Maintenance Worker     C344       sa B - Backhoe EX08 on site     Structural Steel Erector     C345       Backhoe EX08 on site     Tiler     C347       rack Driver / Cosswain / Barge Engineer     Working Ganger*     C349       Window Frame Installer     C350				C342						
Remarks       Structural Steel Erector       Cl45         Backhoe EX47 off site Backhoe EX08 on site       Structural Steel Welder       Cl46         Backhoe EX08 on site       Tiler       Cl44         Total       19         Assistance to Engineer       No.         Amah       1         Coordination Engineer       1         Driver       2         Field Assistant       3         Office Assistant       1						11 A. A. A. A. A. A. A. A. A. A. A. A. A.			tert contra	All and a second second second second second second second second second second second second second second se
Remarks       Structural Steel Erector       C345         Backhoe EX47 off site       C347         Backhoe EX08 on site       C347         rekly Safety and Environmental Co-ordination Meeting #116 was held at 11:30A.M       Trackworker       C347         Trackworker       C349         Window Frame Installer       C340         Otal       19         Assistance to Engineer       No.         Amah       1         Orfing Assistant       1         Diriver       2         Field Assistant       3         Office Assistant       1			Slope Maintenance Worker	C344			· · · · · · · · · · · · · · · · · · ·			ente a de la contracta de la c
as B - Backhoe EX47 off site Backhoe EX08 on site rekly Safety and Environmental Co-ordination Meeting #116 was held at 11:30A.M.       Structural Steel Welder       C346         Total       19         Assistance to Engineer       No. Amah         Coordinate Engineer       1         Drafting Assistant       1         Driver       2         Field Assistant       3         Office Assistant       1			Structural Steel Erector		- 1					
a b - backhoe EX08 on site         Backhoe EX08 on site         ekly Safety and Environmental Co-ordination Meeting #116 was held at 11:30A.M.         Total         19         Assistance to Engineer         No.         Amah       1         Coordinate Engineer       1         Drafting Assistant       1         Driver       2         Field Assistant       1         Office Assistant       1         Office Assistant       1			Structural Steel Welder			······································				
Backhoe EX08 on site ekly Safety and Environmental Co-ordination Meeting #116 was held at 11:30A.M. Total 19 Assistance to Engineer No. Amali 1 Coordinate Engineer 1 Drafting Assistant 1 Driver 2 Field Assistant 3 Office Assistant 1										; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
Casistance to Engineer     No.       Amah     1       Coordinate Engineer     1       Drafting Assistant     1       Driver     2       Field Assistant     3       Office Assistant     1			The second s		· · · · · · · · · · · · · · · · · · ·	········				
Window Frame Installer     C350       Assistance to Engineer     No.       Annah     1       Coordinate Engineer     1       Drafting Assistant     1       Driver     2       Field Assistant     3       Office Assistant     1	ekly Safety and Environmental Co-ordination Meeting #116 was held at 11:30A.M.				·····		· ···· · · ·		······	
Item     19       Assistance to Engineer     No.       Amah     1       Coordinate Engineer     1       Drafting Assistant     1       Driver     2       Field Assistant     3       Office Assistant     1			Window Frame Installer		· · · · · · · · ·	and the second sec			···	
Amah     1       Coordinate Engineer     1       Drafting Assistant     1       Driver     2       Field Assistant     3       Office Assistant     1		Total		0.550						
Amah     1       Coordinate Engineer     1       Drafting Assistant     1       Driver     2       Field Assistant     3       Office Assistant     1										· · · · · · · · · · · · · · · · · · ·
Coordinate Engineer     1       Drafting Assistant     1       Driver     2       Field Assistant     3       Office Assistant     1		Assistance to Engineer No.				· ····································				
Coordinate Engineer     1       Drafting Assistant     1       Driver     2       Field Assistant     3       Office Assistant     1		Amah		· ( )	· · · · · · · · · ·					
Drafting Assistant     1       Driver     2       Field Assistant     3       Office Assistant     1										
Driver     2       Field Assistant     3       Office Assistant     1		Coordinate Engineer								
Field Assistant     3       Office Assistant     1			· · · · · · · · · · · · · · · · · · ·	4 4.	. 1					• • • • • • • • • • • • • • • • • • • •
Office Assistant				1						······································
							-			·······
Watchman I I		Watchman 1		1 I		· ·	i i		· · · · · · · · · · · · · · · · · · ·	···· • • • • • • • • • • • • • • • • •
Total 10 (To be continued)			(To be continued)	· · · · · · · · · · · · · · · · · · ·	·····	Tatal Labour				19 16

<ul> <li>Working ganger is equivalent to ordinary worker in the trade in which he is employed or, if the trade is not listed, truck driver (refer to GS Table 1.1)</li> <li>Day's record and instructions checked and agreed</li> </ul>	Signed: Engineer's Representative	Signed:	Contractor's Representative
	Name/Post: Eddie Luk / Resident Engineer		Wong Ching Lung / Site Agent
Original - ER's File	Date:	Date	816 120120

Date:

816/2012

### Contract No.: DC/2009/22 Date: 07/06/2012

Day: Thursday

Signed:

<u>S</u> IOW

Tso Sai Kuen / Inspector of Works

Date:

8/6/2012

Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity Labour					Pla	nt				Material De	Material Delivered		
						Туре	Working		ng Idling			Description	Quantity		
			Trade	Code	No.		No.	ID	No.	ID	Code				
	Area A - DN1800 Stormwater Drain	No activity as per KLKJV arrangement				Backhoe			1	EX29	h				
							1		1	1	1		1		
08:00 - 18:00	Area A - Pump Station	Dismantling falsework & stripping off soffit from roof of transformer room Laying G.I concealed conduits on soffit of roof at screen house Grass cutting & general housekeeping	Labourer (female)	C406	2	Backhoe			1	EX28	h				
			Labourer (male)	C406	6	Oxy-Acetylene		1	1		h		1		
					1	Steel Bending Machine		1	3		h		-		
					1	Water Pump 50mm	2	1	1	1	1				
						Water Pump 75mm	1	†		1	1	······································			
L				-				1	1	1					
08:00 - 18:00	Area A - Pump Station	Hack off concrete surface of parapet walls at switchroom & transformer room to correct vertical alignment	Labourer (male)	C406	1						1				
	_							1	1	1	1				
	Area A - Pump Station - Box Culvert	No activity as per KLKJV arrangement													
00.00.10.00										İ					
08:00 - 18:00 18:00 - 20:00	Area A - Ting Kok Road	Manual control of "stop & go" sign for traffic flow requlation Manual control of temporary traffic light for traffic flow regulation (1 male labourer from other area)	Labourer (female)	C406	2										
			Labourer (male)	C406	1										
08:00 - 18:00	Arra A Time Kab David														
08.00 - 18.00	(CH110-160)	Laying 2 x Ø150 UPVC ducts for intake structure control cable Excavating to formation level for carriageway reinstatment Driving sheetpiles for shoring of Ø2100 pipe trench at Ch. 110~114, carriageway side Cart away excavation material to pump station (4 truckloads)	Labourer (male)	C406	3	Backhoe	1	EX39							
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe	1		1	EX45	h		1		
······			Plant and Equipment Operator (Hoist and Crane)	C334	2	Backhoe with Vibrating Hammer	1	EX48							
						Grab Lorry	1								
	· · · · · · · · · · · · · · · · · · ·					Mini Generator	1								
						Oxy-Acetylene	1								
						Water Pump 50mm	2	L							
						Welding Set	1			]					
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	I								
08:00 - 18:00	Area B - Tung Tsz	Bay 12 - Forming haul road between hoarding & trench shoring	Labourer (male)	C406	1	Backhoe	1	EX46							
	Nursery (CH130-CH280)		Diant & Environment Operation (77) is a first first					ļ		ļ			L		
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1			ļ							

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:

Engineer's Representative

Signed:

Contractor's Representative

Signed:

Eddie Luk/Resident Engineer

Name/Post: Date:

Date:

Wong Ching Lung / Site Agent

8/6/2012

Date:

Contract No.: DC/2009/22 Date: 07/06/2012

Day: Thursday

IOW

Tso Sai Kuen / Inspector of Works

8/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour		·		Pla	nt	****			Material Delivered		
						Туре	Wo	rking	1	Idling		Description	Quantity	
			Trade	Code	No.		No.	ID	No.	ID	Code			
08:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	Bay 6 - Concreting for walls & top slab of box culvert (Total : 77.0 cu.m)	Carpenter (Fornwork)	C307	1	Backhoe	1	EX08	1					
			Labourer (male)	C406	5	Generator	1	1	†	+				
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Oxy-Acetylene	1	1				·····		
						Water Pump 50mm	1	1	1	1			1	
						Water Pump 75mm	1			-			1	
·····	Area B - Tung Tsz													
	Nursery (Jacking Pit)	No activity as per KLKJV arrangement				Backhoe			1	EX25	h			
						Generator			1		h			
						Oxy-Acetylene			1		h			
8:00 - 18:00	Area E - Siu Lek Yuen	PL1605.1 - Cutting 16500 cut length pipe at Contract 2's storage area, Tai Po Industrial Estate												
	Rd.Playground	through the state state and state state	Labourer (male)	C406	2	Backhoe			1	EX21	h			
						Electric Breaker	1	1	[	1			1	
						Generator			1		h			
						Oxy-Acetylene			1		h			
				_		Water Pump 50mm			1		h			
·						Water Pump 75mm			2		h			
	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement	·····					 						
	Kest Garden													
······································	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement	·····											
								ļ						
	Area G - Ngan Shing St.	No activity as per KLKJV arrangement												
	Area I - Contractor	No activity as per KLKJV arrangement												
······	Office													

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:
---------

Engineer's Representative

Name/Post: Eddie Luk / Resident Engineer Date: Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

8/6/2012

Date:

Date:

Contract No.: DC/2009/22

Date: 07/06/2012

Day: Thursday

70 IOW

Tso Sai Kuen / Inspector of Works

8/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1

Contractor: KWAN LEE - KULY JOINT VENTURE

Weather:		
<u>AM</u>	<u>PM</u>	Rainfall (mm)
Fine	Fine	ST 0.5, TP 0

Typhoon / Warning Signal: Very Hot Weather Warning - 12:35~24:00

(Hong Kong Observatory's record)

Instructions to Contractor (Record verbal instructions given)	Contractor's Site Staff No.	Labour	Code	No.	Labour	Code N	lo. ] Plan	t
	Assistant Surveyor 1	Asphalter (Other Construction)	C301		Chainman	0101		· · · · · · · · · · · · · · · · · · ·
	Chainman 3	Asphalter (Roadworks)	C302		Concreting Labourer	C401	Туре	No. Working No. Id
	Community Liaison Officer	Bamboo Scaffolder	C302		Diver's Linesman / Dredger Crew / Barge Crew	C402	Backhoe	
	CEG	Bar Bender & Fixer	C303			C403	Backhoe with Vibrating Hammer	
	Contract Manager 1	Bricklayer			Excavator	C404	Crane Lorry	1
Comments by Engineer's / Contractor's Representative	Engineer	Carpenter (Fender)	<u>C305</u>		Heavy Load Labourer	C405	Generator	2 1
	Environmental Officer 1	Carpenter (Formwork)	C306	1	Labourer (male / female) / Lorry checker / Watchman Office attendar		1 Mini Generator	<u> </u>
	Foreman/Assistant Foreman 2	Concrete Repairer	<u>C307</u>		Sewerman	<u>C407</u>	Oxy-Acetylene	
	General Foreman 1	Concretor	C308 C309		Automation Equipment Mechanic	E301	Steel Bending Machine	3
	Labour Officer 1	Construction Plant Mechanic			Building Services Mechanic	E302	Water Pump 50mm	
	Land Surveyor 1	Curtain Wall Installer	C310		Cable Jointer (Power)	E303	Water Pump 75mm	4
	Project Director	Demolition Worker	C311		Carpenter	E304	Welding Set	<b>.</b>
Utilities	Project Manager 2		C312		Electrician/Electrical Fitter	E305		
(Record location & nature of works)	Project Quantity Surveyor I	Diver Drainlayer	C313		Fire Services Mechanic	E306		
	Quantity Surveyor		<u>C314</u>		Instrument Mechanic	E307		
	Safety Officer	Electrician (Main Contractor's)	C315		Lift Electrician	E308		
	Site Agent	Floor Layer	C316		Lift Mechanic	E309		
		Gas Plumber	C317		Mechanical Fitter	E310		
	SurveyorI	General Welder	C318		Overhead Linesman	E311		
	i	Glazier	<u>C319</u>		Painter	E312		
	· · · · · · · ·	Ground Investigation Operator/Driller/Borer	C320		Plumber and Pipe Fitter	E313		
	· · · · · · · · · · · · · · · · · · ·	Grouting Worker	C321		Refrigeration/AC/Ventilation Mechanic	E314		
		loiner	C322		Sheet Metal Worker	E315		
		Leveller	C323		Sign Fabricator	E316		
		Marble Worker	C324		Sign Installer	E317		
Progress		Marine Construction Plant Operator	<u>C325</u>		Thermal Insulation Craftsman	E318		
(Mention briefly any matter delaying or obstructing progress)	••••••••••••••••••••••••••••••••••••••	Mason	C326	- 1	Welder	E319		
(Anoniton press)		Metal Scaffolder	C327		Labourer	E401		
		Metal Worker	C328		Semi-skilled Worker	E402		
		Painter & Decorator	C329		Technician	Т		-
		Piling Operative	C330					8 · · · · · · · · · · · · · · · · · · ·
		Pipelayer	C331					
Visitor		Plant and Equipment Operator (Builder's Lift and Other Machinery)						
(Record names of visitors and time of visit)		Plant & Equipment Operator (Earthmoving Machinery)	C333	2				
	• • • • • • • • • • • • • • • • • • •	Plant and Equipment Operator (Hoist and Crane)	C334	2				
		Plant and Equipment Operator (Piling)	C335					· · · · · · · · · · · · · · · · · · ·
		Plant and Equipment Operator (Tunnelling)	C336					
		Plasterer	<u>C337</u>					······································
		Plumber	C338					
Accidents		Pneumatic Driller	C339					······
(Describe any occurance of accident)		Prestressing Operative	C340			1		······
		Rigger/Metal Formwork Erector	C341					·····
		Shotcretor	C342			· · ·		· · · ·
		Shotfirer	C343			T		
		Slope Maintenance Worker	C344			: :		
· · · · · · · · · · · · · · · · · · ·		Structural Steel Erector	C345		i catterio i			·····
Remarks	-	Structural Steel Welder	C346					·······
		Tiler	C347			·····		
		Trackworker	C348			·····		····
		Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C349	1			······	······
		Window Frame Installer	C350	1	and a second sec			
	Totai19					: · ·		
	Assistance to Engineer No.							
					······································		·····	
	Amah 1							••••••••••••••••••••••••••••••••••••••
	Coordinate Engineer 1			1	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	· ·····		
	Drafting Assistant 1	· · · · · · · · · · · · · · · · · · ·	· · · · ·					
	Driver 2			· I				
	Field Assistant 3	······	111111		A second s		·····	······
	Office Assistant I							
	Watchman 1	· · · · · · ·	•	1	· · · · · · · · · · · ·	÷. •		
	Total 10	(To be continued)		··· ······		filmer see to eg		in in the second s
		RAVEN SHIPHUNI			Total Labour	2	Li li otal	22 12

<ul> <li>Working ganger is equivalent to ordinary worker in the trade in which he is employed or, if the trade is not listed, truck driver (refer to GS Table 1.1)</li> <li>Day's record and instructions checked and agreed</li> </ul>	Signed: Engineer's Representative	Signed:	Contractor's Representative
	Name/Post: Eddie Luk / Resident Engineer		Wong Ching Lung / Site Agent

Date:

Original - ER's File

Duplicate - Contractor

Date:

11/6/2012

## Contract No.: DC/2009/22 Date: 08/06/2012

Day: Friday

Signed:

IOW

Tso Sai Kuen / Inspector of Works

Date:

11/6/2012

Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	F a set												
Time	Location	tion Activity Labour					Material Delivered						
						Туре	Working			Idling		Description	Quantity
			Trade	Code	No.		No.	1D	No.	ID	Code		
	Area A - DN1800 Stormwater Drain	No activity as per KLKJV arrangement				Backhoe			1	EX29	h		
09.00 10.00								1	1	1	1		
08:00 - 18:00	Area A - Pump Station	Dismantling falsework & stripping off soffit from roof of switchroom Patching up tie bolt holes at ground beams BB1 ~ BB17 of store room Backfilling & compacting sand material between ground beams(BB1, BB16 & BB17) of store room Grass cutting & general housekeeping	Labourer (female)	C'406	2	Backhoe				EX28	h	<del></del>	
			Labourer (male)	C406	2	Oxy-Acetylene		1	1	1	h		
						Steel Bending Machine		1	3		h		
						Water Pump 50mm	2		1	1			1
						Water Pump 75mm	1			1			
	Auro A. Dura Guid												
ĺ	Area A - Pump Station - Box Culvert	No activity as per KLKJV arrangement			[								
07:00 - 18:00	Area A - Tipe Kok Road	Manual control of "stop/go" sign for traffic flow regulation (2 F/Lab. & 1 M/Lab.)			ļ								
18:00 - 20:00		Manual control of stop go sign for traffic flow regulation (2 F/Lab, & 1 M/Lab.) Manual control of temporary traffic light for traffic flow regulation (1 M/lab, from other area)	Labourer (female)	C406	2								
			Labourer (male)	C406	1								
08:00 - 18:00	Area A - Ting Kok Road												
08.00 - 18:00	(CH110-160)	Excavating trench, laying PC gully (1 nos.) & Ø150 UPVC outlet pipe to SMH03 then laying concrete surround Compacting the formation, shuttering & concreting for road kerb blinding layer at Ch. 125~160 SRT for backfilled layer of Ø2100 pipe trench at Ch. 125~160 (+4.5 mPD) by Hong Kong Testing Co., LTD. Excavating to expose existing Ø300 watermain, then driving sheetpiles for shoring of Ø2100 pipe trench at Ch. 110~114, footpath side	Labourer (male)	C406	5	Backhoe	1	EX39					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe		1	1	EX45	h		
			Plant and Equipment Operator (Hoist and Crane)	C334	1	Backhoe with Vibrating Hammer	1	EX48					
						Mini Generator	1						
						Oxy-Acetylene	1	1					
						Water Pump 50mm	2			<u> </u>			
			I			Welding Set	1						<u> </u>
								1	-	<u> </u>			1
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	]						
08:00 - 18:00	Area B - Tung Tsz	Bay 11 - Forming haul road between hoarding & trench shoring	Labourer (male)	C406	1	Backhoe	1	EX46					
	Nursery (CH130-CH280)												
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1								
·····	L												1

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	

Engineer's Representative

Name/Post: Eddie Luk / Resident Engineer
Date:

Signed: Contractor's Representative

Signed:

\*\*\*\*\*\*

Wong Ching Lung / Site Agent 11/6/2012

Date:

Date:

Contract No.: DC/2009/22

Day: Friday

IOW

Tso Sai Kuen / Inspector of Works

11/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour	Labour			Pla	nt			ſ	Material Delivered		
						Туре	Wo	rking		Idling		Description	Quantity	
			Trade	Code	No.		No.	ai	No.	ID	Code			
08:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	Bay 6 - Stripping off formwork from walls of box culvert Watering for concrete curing	Carpenter (Formwork)	C307	1	Backhoe			1	EX08	h			
			Labourer (male)	C406	5	Generator	1	1			1	******	1	
						Oxy-Acetylene	1	1		1		······	1	
						Water Pump 50mm	1			1			1	
						Water Pump 75mm	1							
	Auto D. Ture Tur													
	Area B - Tung Tsz Nursery (Jacking Pit)	No activity as per KLKJV arrangement				Backhoe			1	EX25	h			
						Generator			t		h			
						Oxy-Acetylene			1		h			
08:00 - 19:00	Area E - Siu Lek Yuen Rd.Playground	PL 1605.1 - Laying and jointing 1650Ø PC pipes at Ch. 3.5~5.3	Drainlayer	C314	1	Backhoe	1	EX21						
			Labourer (male)	C406	2	Crane Lorry	1			1		·····		
			Plant and Equipment Operator (Hoist and Crane)	C334	1	Generator	1	<u> </u>		†			+	
						Oxy-Acetylene		1	1	1	h		·	
						Water Pump 50mm	1						1	
						Water Pump 75mm	2							
	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement												
	Kest Garden									ļ	<b> </b>  -			
	Area G - Ngan Shing St.	No activity as per KLKJV arrangement												
0.00 10.00													1	
08:00 -18:00	Area I - Contractor Office	Office cleaning	Labourer (male)	C406	1							······································	1	

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

#### Signed:

Engineer's Representative

Name/Post: Eddie Luk / Resident Engineer

Date:

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent 11/6/2012

Date:

Day: Friday

*IOW* 

Tso Sai Kuen / Inspector of Works

11/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1

Contractor: KWAN LEE - KULY JOINT VENTURE

#### Weather:

#### Typhoon / Warning Signal:

<u>AM</u> <u>PM</u> Rainfall (mm) Shower Cloudy ST 10, TP 20

Very Hot Weather Warning - 00:00~16:20

Thundersstorm Warning - 03:45~05:15 & 10:00~11:30

(Hong Kong Observatory's record)

Instructions to Contractor	Contractor's Site Staff No.	Labour	Code No.	Labour	
(Record verbal instructions given)			4 Å	Labour	Code N
	Assistant Surveyor 1	Asphalter (Other Construction)	C301	Chainman	C401
	Chainman 3	Asphalter (Roadworks)	C302	Concreting Labourer	C402
	Community Liaison Officer 1	Bamboo Scaffolder	C303	Diver's Linesman / Dredger Crew / Barge Crew	C403
	CEG	Bar Bender & Fixer	C304	Excavator	C404
Comments by Engineer's / Contractor's Representative	Contract Manager 1	Bricklayer	C305	Heavy Load Labourer	C405
Contractions of Differencer's / Contractor's Representative	Engineer	Carpenter (Fender)	C306	Labourer (male / female) / Lorry checker Watchman/Office atte	ndan C'406 ]
	Environmental Officer 1	Carpenter (Fornwork)	C307 1	Sewerman	C407
	Foreman/Assistant Foreman 2	Concrete Repairer	C308	Automation Equipment Mechanic	E301
	General Foreman 1	Concretor	C309	Building Services Mechanic	E302
	Labour Officer 1	Construction Plant Mechanic	C310	Cable Jointer (Power)	E303
	Land Surveyor 1	Curtain Wall Installer	C311	Carpenter	E304
Utilities	Project Director 1	Demolition Worker	C312	Electrician/Electrical Fitter	E305
(Record location & nature of works)	Project Manager 2	Diver	C313	Fire Services Mechanic	E306
	Project Quantity Surveyor I	Drainlayer	<u>C314</u>	Instrument Mechanic	E307
	Quantity Surveyor	Electrician (Main Contractor's)	C315	Lift Electrician	E308
	Safety Officer 1	Floor Layer	C316	Lift Mechanic	E309
	Site Agent 1	Gas Plumber	C317	Mechanical Fitter	E310
	Surveyor 1	General Welder	C318	Overhead Linesman	E311
		Glazier	C319	Painter	E312
		Ground Investigation Operator/Driller/Borer	C320	Plumber and Pipe Fitter	E313
		Grouting Worker	C321	Refrigeration/AC/Ventilation Mechanic	E314
	-	Joiner	C322	Sheet Metal Worker	E315
		Leveller	C323	Sign Fabricator	E316
	· · · · · · · · · · · · · · · · · · ·	Marble Worker	C324	Sign Installer	E317
2		Marine Construction Plant Operator	C325	Thennal Insulation Craftsman	E318
Progress		Mason	C326	Welder	E319
(Mention briefly any matter delaying or obstructing progress)		Metal Scaffolder	C327	Labourer	E401
		Metal Worker	C328	Semi-skilled Worker	E402
		Painter & Decorator	C329	Technician	T
		Piling Operative	C330		
		Pipelayer	C331		
Visitor		Plant and Equipment Operator (Builder's Lift and Other Machinery)	C332	······	
(Record names of visitors and time of visit)		Plant & Equipment Operator (Earthmoving Machinery)	C333 4		
	······	Plant and Equipment Operator (Hoist and Crane)	C334 1		
		Plant and Equipment Operator (Piling)	C335		······································
		Plant and Equipment Operator (Tunnelling)	C336	······································	
		Plasterer	C337		
		Plumber	C338		· · · · · · · · · · · · · · · · · · ·
Accidents		Pneumatic Driller	C339		
(Describe any occurance of accident)		Prestressing Operative	C340		····•
		Rigger/Metal Formwork Erector	C341		
		Shotcretor	C342		
		Shotfirer	C343		
		Slope Maintenance Worker	C344		
		Structural Steel Erector	C345		
Remarks		Structural Steel Welder	C346		
		Tiler	C347		
		Trackworker	C348		
		Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C349		
		Window Frame Installer	C350	······································	
	Total19				
	Assistance to Engineer No.				
	110,				
	Amah 1			······································	4
	Coordinate Engineer 1			The second	
	Drafting Assistant I				
	Driver 2				••••••••••••••••••••••••••••••••••••••
	Field Assistant 3			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
	Office Assistant 1				: · · · · · · · · · · · · · · · · · · ·
	Watchman	1994 (A. 1997)		·····	
	Total 10	(To be continued)		Tratal Labour	
		BAY ON SUMMERCUS	i i i i i i i i i i i i i i i i i i i	Total Labour	24

* Working ganger is equivalent to ordinary worker in the trade in which he is employed or, if the trade is not listed, truck driver (refer to GS Table 1.1)	Signed:
Day's record and instructions checked and agreed	

Engineer's Representative

Name/Post: Eddie Luk / Resident Engineer

Date:

Signed:

Contractor's Representative

Wong Ching Lung / Site Agent

Original - ER's File

Date:

11/10/2012

### Contract No.: DC/2009/22 Date: 09/06/2012

Day: Saturday

Plant		
Туре	No. Working	No. Idle
ackhoe ackhoe with Vibrating Hammer	5	3
ackhoe with Vibrating Hammer	1	
enerator ini Generator	2	
mi Generator	2	3
eel Bending Machine	· · ·	. 3
ater Pump 50mm	7	
ater Pump 75mm	4	1
elding Set	1	
· · · · · · · · · · · · · · · · · · ·	÷.	
··· ··· ·· ·	÷	÷
		<u>.</u>
بر المستقدية المنافق المنافق المنافق المنافق المنافق المنافق المنافق المنافق المنافق المنافق المنافق المنافق ال من من		
	-	
· ·	•••••••	
· · · · · · · · · · · · · · · · · · ·		
	• •••• • • • • •••••••••••••••	
······································		
······································		
·····		
· · · · · · · · · · · · · · · · · · ·		
	-	
·····		
• •		
		· · · · [
······································	·····	
	23	10

Signed:

Date:

IOW

Tso Sai Kuen / Inspector of Works

11/6/2012

Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

	1				_				-							
Time	Location	Activity	Labour				Pla	nt	·····			Material Delivered				
						Туре	Wo	rking		Idling		Description	Quantity			
<u> </u>			Trade	Code	No.		No.	ID	No.	ID	Code					
	Area A - DN1800 Stormwater Drain	No activity as per KLKJV arrangement			t	Backhoe	-	1	1	EX29	h					
	Stormwater Drain				<u> </u>			<u> </u>	<u> </u>							
08:00 - 18:00	Area A - Pump Station	Dismantling falsework for roof construction of transformer room Laying Ø100 & Ø150 UPVC cable ducts between ground beams BB13 & BB14 Backfilling & compacting sand material between ground beams BB2 & BB3	Labourer (female)	C406	2	Backhoe	1	EX28								
			Labourer (male)	C406	2	Oxy-Acetylene		1	1 1		h					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	4	Steel Bending Machine	1	+	3		h					
						Water Pump 50mm	2	1		1						
			·······			Water Pump 75mm	1		1	+						
					<u> </u>			1		<u> </u>						
08:00 - 18:00	Area A - Pump Station	Hack off concrete surface of parapet walls at switchroom & transformer room to correct vertical alignment	Labourer (male)	C406	1											
			-							Τ						
	Area A - Pump Station - Box Culvert	No activity as per KLKJV arrangement														
07.00 18.00	Anna Martin I															
07:00 - 18:00 18:00 - 20:00	Area A - Ting Kok Koad	Manual control of "stop/go" sign for traffic flow regulation (2 F/Lab. & 1 M/Lab.) Manual control of temporary traffic light for traffic light regulation (1 M/ labs from other area)	Labourer (female)	C406	2											
			Labourer (male)	C406	1											
08:00 - 18:00	Anno A. Ting Kak David						_	ļ	ļ			·				
00.00 - 18.00	(CH110-160)	Backfilling & compacting granular sub-base for carriageway reinstatement at Ch. 125~160 Laying K1 PC kerbs for carriageway reinstatement at Ch. 135~160 Excavating to expose existing Ø300 watermain, then driving sheetpiles for shoring of Ø2100 pipe trench at Ch. 110~114, footpath side	Labourer (male)	C406	4	Backhoe	1994 1	EX39								
			Plant & Equipment Operator (Earthmoving Machinery)	C333	0.5	Backhoe	1	1	1	EX45	h		1			
2 2 2 2			Plant and Equipment Operator (Hoist and Crane)	C334	1	Backhoe with Vibrating Hammer		EX48		1						
						Mini Generator	1		1							
						Oxy-Acetylene	1	1	İ	1						
						Water Pump 50mm	2	1		1						
	ļ					Welding Set	1			1			1			
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1									
08:00 - 18:00	Area B - Tung Tsz	Bay 10 - Forming haul road between trench shoring and hoarding							L	ļ	Į					
	Nursery (CH130-CH280)	way to - coming neurorad between neuron shoring and noarding	Labourer (male)	C406	2	Backhoe		EX46								
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1				İ	<b>†</b>			1			
							1	1	<u> </u>	<u>† – – – – – – – – – – – – – – – – – – –</u>			-			

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

#### Signed:

Engineer's Representative

Eddie Luk / Resident Engineer

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

Date:

Name/Post:

Date:

11/6/2012

Date:

Contract No.: DC/2009/22 Date: 09/06/2012

Day: Saturday

IOW

Tso Sai Kuen / Inspector of Works

11/6/2012

### Idling ('ode:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Ī	Material Delivered					
						Туре	Working		g Idling			Description	Quantity
			Trade	Code	No.	1	No.	ID	No.	ID	Code		
08:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	Bay 5 - Formwork shuttering for walls of box culvert Bay 6 - Watering for concrete curing	Carpenter (Fornwork)	C307	1	Backhoe	1	EX08					
			Labourer (male)	C406	2	Generator	1	1	1	1	<b>††</b>		
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Oxy-Acetylene	1	1	1	1			
						Water Pump 50mm	1		1	1	İİ	······································	
						Water Pump 75mm	I	1	t	1			
								1	1	1			1
	Area B - Tung Tsz Nursery (Jacking Pit)	No activity as per KLKJV arrangement				Backhoe			I	EX25	h		
						Generator	1	1	1		h		1
						Oxy-Acetylene	-	1	1	1	h		
00.00 17.00								1	1	1			
08:00 - 17:00	Area E - Siu Lek Yuen Rd.Playground	Manhole S8 - Formwork shuttering for base slab & benching	Labourer (male)	C406	2	Backhoe	1	EX21					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Generator	1	1					
						Oxy-Acetylene	1	1	1	1	h		<b> </b>
						Water Pump 50mm	1						1
						Water Pump 75mm	2	1		1			1
·····								1					1
	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement											
	Area G - Ngan Shing St.	No activity as per KLKJV arrangement											
	]												
08:00 - 18:00	Area I - Contractor Office	Office cleaning	Labourer (male)	C406	1		-						

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

#### Signed:

Name/Post:

Engineer's Representative

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

Date:

Date:

11/6/2012

Date:

Eddie Luk / Resident Engineer

Contract No.: DC/2009/22

Date: 09/06/2012

Day: Saturday

IOW

Tso Sai Kuen / Inspector of Works

11/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1

Contractor: KWAN LEE - KULY JOINT VENTURE

#### Typhoon / Warning Signal:

AM PM Rainfall (mm)

Thunderstorm Warning - 05:40~12:15

Shower Cloudy ST 5, TP 0.5

(Hong Kong Observatory's record)

Instructions to Contractor	Contractor's Site Staff No.	1 <b>X</b> - <b>b</b> - <b>x</b>	0.1.			
(Record verbal instructions given)	Contractor's Site Staff No.	Labour	Code No.	Labour	Code N	lo.
		Aspluaiter (Other Construction)	C301	Chainman	C401	
	-	Asphalter (Roadworks)	C302	Concreting Labourer	C402	Ba
		Bamboo Scaffolder	C303	Diver's Linesman / Dredger Crew / Barge Crew	C403	Ba
		Bar Bender & Fixer	C304	Excavator	C404	Ge
		Bricklayer	C305	Heavy Load Labourer	C405	Ste
Comments by Engineer's / Contractor's Representative		Carpenter (Fender)	C306	Labourer (male / female) / Lorry checker / Watchman/Office attenda		3 W
	· · · ·	Carpenter (Formwork)	C307	Sewerman	C407	W
		Concrete Repairer	C308	Automation Equipment Mechanic	E301	
		Concretor	C309	Building Services Mechanic	E302	
		Construction Plant Mechanic	C310	Cable Jointer (Power)	E302	
		Curtain Wall Installer	C311	Carpenter	E303 E304	
		Demolition Worker	C312	Electrician/Electrical Fitter	E304 E305	·· ·· [ [ .
Utilities		Diver	C313	Fire Services Mechanic		
(Record location & nature of works)		Drainlayer	C314		E306	
		Electrician (Main Contractor's)		Instrument Mechanic	E307	
		Floor Layer	C315	Lift Electrician	E308	
	and the community of th	Gas Plumber	C316	Lift Mechanic	E309	<b>   -</b>
	· · · · · · · · · · · · · · · · · · ·	In the second s second second 317	Mechanical Fitter	E310		
		General Welder	C318	Overhead Linesman	E311	
	· · · · · · · · · · · · · · · · · · ·	Glazier	<u>C319</u>	Painter	E312	
		Ground Investigation Operator/Driller/Borer	C320	Plumber and Pipe Fitter	E313	
		Grouting Worker	C321	Refrigeration/AC/Ventilation Mechanic	E314	
		Joiner	C322	Sheet Metal Worker	E315	
		Leveller	C323	Sign Fabricator	E316	
		Marble Worker	C324	Sign Installer	E317	
D		Marine Construction Plant Operator	C325	Thermal Insulation Craftsman	E318	
Progress		Mason	C326	Welder	E319	- 11
Mention briefly any matter delaying or obstructing progress)	┫┃	Metai Scaffolder	C327	Labourer	E401	
		Metal Worker	C328	Semi-skilled Worker	E402	
		Painter & Decorator	C329	Technician	Т	
		Piling Operative	C330			
		Pipelayer	C331			···
X17-7	-	Plant and Equipment Operator (Builder's Lift and Other Machinery)	C332			····    -
Visitor	-	Plant & Equipment Operator (Earthmoving Machinery)	C333			
(Record names of visitors and time of visit)		Plant and Equipment Operator (Hoist and Crane)	C334			
		Plant and Equipment Operator (Piling)	C335	······································		
		Plant and Equipment Operator (Tunnelling)	C336			···
		Plasterer	C337			
	· ·	Plumber	C338	·····		
Accidents		Pneumatic Driller	C339		· · · · · · · · · · · ·	
		Prestressing Operative	C340			
(Describe any occurance of accident)		Rigger/Metal Formwork Erector				
			<u>C341</u>			-
		Shotcretor	C342		i sudani	
		Shotfirer	<u>C343</u>			
		Slope Maintenance Worker	C344			
Remarks	<b></b> ,	Structural Steel Erector	C345			
<u>REIBATKS</u>	· · · · · · · · · · · · · · · · · · ·	Structural Steel Welder	C346			
		Tiler	C347		·	
	· · · · · · · · · · · · · · · · · · ·	Trackworker	C348			
		Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C349			
		Window Frame Installer	C350			
	Total				-	
	Assistance to Engineer No.			and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se		
	190.					
	Drives 1			······································	1	
	Watchman 1					
				·· · · · · · · · · · · · · · · · · · ·	÷	
			· · · · · · · · · · · · · · · · · · ·	······	· · · · · · · · · · · · · · · · · · ·	
		<u> </u>				
		· · ·	• •	· · · · · · · · · · · · · · · · · · ·	+ +-	
	Total 2				. j	
	Total 2	(To be continued)	· · · · ·	Total Labour		<u>3 To</u>

\* Working ganger is equivalent to ordinary worker in the trade in which he is employed or, if the trade is not listed, truck driver (refer to GS Table 1.1)

Day's record and instructions checked and agreed

Signed:

Date:

Engineer's Representative

Name/Post: Eddie Luk/Resident Engineer

Signed:

Contractor's Representative

Wong Ching Lung / Site Agent

Original - ER's File

Date:

11 16/2012

### Contract No.: DC/2009/22 Date: 10/06/2012 Day: Sunday

Backhoe with Vibrating Hammer 12 Generator 2 Vater Pump 50mm 6 Water Pump 75mm 2 Water Pump 75mm 2 Water Pump 75mm 4 Water Pump 7 Water Pump 7	Plant		
Backhoe mith Vibrating Hammer 2 Generator 2 Steel Bending Machine 3 Water Pump 50mm 6 Water Pump 75mm 2 	Туре	No. Working	No. Idle
Generator       2         Steel Bending Machine       3         Water Pump Johan       6         Water Pump 75mm       2	Backhoe		
Steel Bending Machine		1 4	
Water Pump Somm         6           Water Pump 75mm         2		:	
Water Pump 75man       2	Water Pumo S0mm		2
	Water Pump 75mm		
		·····	
	· · · .	•	
		- ····	
		-	
	· ·		r .
	······································	· · · · · · · · · · · · · · · · · · ·	
		· · · · · · · · · · · · · · · · · · ·	
		a a a a a a a a a a a a a a a a a a a	
		•	Ŧ ·
			÷-
			•
		·	
		•• •	: 
		-	-
			•· ·
			•
		- *	
			:
			*
	in the second second second second second second second second second second second second second second second	4	
		-	
		:	
		: ;	
	Fotal	8	14

Signed:

IOW

Tso Sai Kuen / Inspector of Works

Date:

11/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Stor           Area           Area           Box           07:00 - 18:00           18:00 - 20:00           CH           Area           Area           Area           Area           Area           Area           Area           Area           Area           Nurse           Area           Nurse           Area           Area           Nurse           Area           Area	Location	Activity	Labour				Plant				
						Туре	Wo	rking	Т		
			Trade	Code	No.		No.	ai	No.		
	Area A - DN1800 Stormwater Drain	No activity as per KLKJV arrangement				Backhoe			1		
L									1		
	Area A - Pump Station	No activity as per KLKJV arrangement			]	Backhoe		1	1		
						Steel Bending Machine			3		
			····			Water Pump 50mm	2	[	1		
						Water Pump 75mm	1				
<u> </u>											
:	Area A - Pump Station - Box Culvert	No activity as per KLKJV arrangement									
								1	<b> </b>		
07:00 - 18:00 18:00 - 20:00	Area A - Ting Kok Road (CH120-160)	Manual control of "stop/go" sign for traffic flow regulation Manual control of temporary traffic light for traffic flow regulation (1 male labourer only)	Labourer (female)	C406	2	Backhoe			1		
			Labourer (male)	C406	1	Backhoe	1	1	1		
						Backhoe with Vibrating Hammer			1		
						Water Pump 50mm	2		<u> </u>		
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1				
Į							1		<u>†</u>		
	Area B - Tung Tsz Nursery (CH130-CH280)	No activity as per KLKJV arrangement				Backhoe			1		
	Area B - Tung Tsz Nursery (CH40-CH130)	No activity as per KLKJV arrangement				Backhoe			1		
						Generator			1		
						Water Pump 50mm	1				
						Water Pump 75mm	1				
·····	Area B - Tung Tsz										
	Area B - Tung Tsz Nursery (Jacking Pit)	No activity as per KLKJV arrangement				Backhoe			1		
	Area E - Siu Lek Yuen Rd.Playground	No activity as per KLKJV arrangement				Backhoe			1		
						Generator			1		
	Area E. Lak View Street										
	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement									
					in and in	[			·		

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Name/Post:

Engineer's Representative

Eddie Luk/Resident Engineer

Date:

Date:

Signed:

Wong Ching Lung / Site Agent

Contractor's Representative

11/6/2012

Date:

Signed:

Contract No.: DC/2009/22 Date: 10/06/2012

Day: Sunday

Material Delivered Idling Description Quantity ID Code 10. 1 EX29 i 1 EX28 i 3 i EX39 í EX45 i EX48 I EX46 i .... EX08 i i EX25 i EX21 í i

EXE IOW

Tso Sai Kuen / Inspector of Works

11/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour	Labour			Plant							
						Туре	Wo	rking	1	Idling	5	Description	Quantity	
			Trade	Code	No.		No.	1D	No.	ID	Code			
	Area I - Contractor Office	No activity as per KLKLJV arrangement												

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	
Er	ngineer's Representative
Name/Post:	Eddie Luk/Resident Engineer

Date:

Signed:

Contractor's Kepresentative

Signed:

Wong Ching Lung / Site Agent

Date:

11/6/2012

Date:

Contract No.: DC/2009/22

Date: 10/06/2012

Day: Sunday

-6 IOW

Tso Sai Kuen / Inspector of Works

11/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1

Contractor: KWAN LEE - KULY JOINT VENTURE

#### Weather:

#### Typhoon / Warning Signal:

AMPMRainfall (mm)CloudyCloudyST 0.5, TP 0.5

Thunderstorm Warning - 14:30~16:30 & 17:45~18:45

(Hong Kong Observatory's record)

Instructions to Contractor	Contractor's Site Staff No.	Labour	Code No.	Labour	Code No.	] [	lant	
(Record verbal instructions given)	Assistant Surveyor	Asphalter (Other Construction)	C301	C1				
	Chainman 3	Asphalter (Roadworks)		Chainman	C401	Type	No. Working N	No. Idle
	Community Liaison Officer 1	Bamboo Scaffolder	C302	Concreting Labourer	C402	Backhoe	4	4
	CEG 1		C303	Diver's Linesman / Dredger Crew / Barge Crew	C403	Backhoe with Vibrating Hammer		
		Bar Bender & Fixer	C304	Excavator	C404	Generator	2	
Comments by Engineer's / Contractor's Representative	Contract Manager 1	Bricklayer	C305	Heavy Load Labourer	C405	Mini Generator	1	
Confinence of Engineer 3 Confidence S Representative	Engineer	Carpenter (Fender)	C306	Labourer (male / female) / Lony checker / Watchman Office atte		Oxy-Acetylene	2	3
	Environmental Officer 1	Carpenter (Formwork)	C307 3	Sewerman	C407	Steel Bending Machine		3
	Foreman/Assistant Foreman 2	Concrete Repairer	C308	Automation Equipment Mechanic	E301	Vibrating Prob	I	
	General Foreman 1	Concretor	C309	Building Services Mechanic	E302	Water Pump 50mm	7	
	Labour Officer 1	Construction Plant Mechanic	C310	Cable Jointer (Power)	E303	Water Pump 75mm	4	
	Land Surveyor 1	Curtain Wall Installer	C311	Carpenter	E304	Welding Set	- 1	
Utilities	Project Director 1	Demolition Worker	C312	Electrician/Electrical Fitter	E305			
(Record location & nature of works)	Project Manager 2	Diver	C313	Fire Services Mechanic	E306			
(Record location & nature of works)	Project Quantity Surveyor	Drainlayer	C314	Instrument Mechanic	E307			
	Quantity Surveyor	Electrician (Main Contractor's)	C315	Lift Electrician	E308		-	
	Safety Officer 1	Floor Layer	C316	Lift Mechanic	E309			
	Site Agent 1	Gas Plumber	C317	Mechanical Fitter	E310			
	Surveyor 1	General Welder	C318	Overhead Linesman			· · · • • • • • • • • • • • • • • • • •	
		Glazier	C318	Painter	E311			
		Ground Investigation Operator/Driller/Borer		Plumber and Pipe Fitter	E312			
		Grouting Worker	C320		E313			
			C321	Refrigeration/AC/Ventilation Mechanic	E314	· · · · · · · · · · · · · · · · · · ·		
	·····	Joiner	C322	Sheet Metal Worker	E315			
		Leveller	<u>C323</u>	Sign Fabricator	E316		1	
	· · · · · · · · · · · · · · · · · · ·	Marble Worker	C324	Sign Installer	E317			
Progress	······································	Marine Construction Plant Operator	C325	Thermal Insulation Craftsman	E318			
(Mention briefly any matter delaying or obstructing progress)		Mason	C326	Welder	E319			
(mention b) terry any matter delaying or obstracting progress)		Metal Scaffolder	C327	Labourer	E401			
		Metal Worker	C328	Semi-skilled Worker	E402			
		Painter & Decorator	C329	Тесhnician	T		i	
		Piling Operative	C330					
		Pipelayer	C331					
Visitor		Plant and Equipment Operator (Builder's Lift and Other Machinery)	C332				-	
(Record names of visitors and time of visit)		Plant & Equipment Operator (Earthmoving Machinery)	C333 4					
(Accord agains of Falcors and take of Fisht)	······································	Plant and Equipment Operator (Hoist and Crane)	C334 1					
		Plant and Equipment Operator (Piling)	C335					
		Plant and Equipment Operator (Tunnelling)	C336					
		Plasterer	C337					
		Plumber	C338		;		··· · · · · · · · · · · · · · · · · ·	
Accidents		Pneumatic Driller	C339				······································	
(Describe any occurance of accident)		Prestressing Operative	C340	· · · · · · · · · · · · · · · · · · ·				
	· ·	Rigger/Metal Formwork Erector	C341				· · · · · · · · · · · · · · · · · · ·	7
	-	Shotcretor	C342					
		Shotfirer	C343					1
		Slope Maintenance Worker	C344				······································	
		Structural Steel Erector	C345		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
Remarks		Structural Steel Welder	C346	atomation of a second second second second second second second second second second second second second second	· · · · · · · · · · · · · · · · · · ·			
		Tiler	C347		· · · · · · · · · · · · · · · · · · ·			
	· · · · · · · · · · · · · · · · · · ·	Trackworker	C348			· · ·	the second second second second second second second second second second second second second second second s	1
	· · · · · · · · · · · · · · · · · · ·	Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C349					
		Window Frame Installer	C350			····		
	Total 19	Window Fighte Instance	(330				· · · · · · · · · · · · · · · · · · ·	
								1
	Assistance to Engineer No.			·····				
	lá mab							,
	Amah 1							
	Coordinate Engineer 1							
	Drafting Assistant 1				ş			
	Driver 2		i	·····				
	Field Assistant 3						· · · · · · · · · · · · · · · · · · ·	
	Office Assistant				in the second second second second second second second second second second second second second second second			
	Watchman							
	Total 10	(To be continued)		Total Labour	31	the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		

* Working ganger is equivalent to ordinary worker in the trade in which
he is employed or, if the trade is not listed, truck driver
(refer to GS Table 1.1)

Day's record and instructions checked and agreed

Signed:

Date:

Engineer's Representative

Name/Post: Eddie Luk / Resident Engineer

Signed:

Contractor's Representative

Wong Ching Lung / Site Agent

Original - ER's File

Date:

12/6/2012

#### Contract No.: DC/2009/22 Date: 11/06/2012

Day: Monday

Signed:

IOW

Tso Sai Kuen / Inspector of Works

Date:

12/6/2012

Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour			-	Pla					Material Delivered		
			Labour						1					
			Trade Code No.			Туре		rking	<u> </u>	Idling		Description	Quantity	
	A A. DN11000		Irade	Code	No.		No.	ID	No.	ID	Code			
	Area A - DN1800 Stormwater Drain	No activity as per KLKJV arrangement				Backhoe		1		EX29	h			
								1						
08:00 - 18:00	Area A - Pump Station	Dismantling falsework (for roof construction) at switchroom	Labourer (female)	C406	2	Backhoe		1	1	EX28	h			
	-	General housekeeping		0.400	4	Dackhoc				LA20	11			
			Labourer (male)	C406	2	Oxy-Acetylene			1		h			
						Steel Bending Machine		I	3		h	***************************************		
						Water Pump 50mm	2							
						Water Pump 75mm	1							
10.00 10.00														
13:00 - 18:00	Area A - Pump Station	Hack off concrete surface of parapet walls at switchroom & transformer room to correct vertical alignment	Labourer (male)	C406	1									
		angunent												
	Area A - Pump Station -	No activity as per KLKJV arrangement									ļ			
	Box Culvert	,, <u>,</u>						l .						
								1		1				
07:00 - 18:00 18:00 - 20:00	Area A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation	Labourer (female)	C406	3			<u> </u>		1				
18.00 - 20.00		Manual control of temporary traffic light for traffic flow regulation (1 male labourer from other area)						ļ		ļ	<u> </u>	·····		
08:00 - 18:00	Area A - Ting Kok Road	Compacting sub-base at Ch. 125~160 and laying type K1 PC kerb at Ch. 125~135 for carriageway					_			<u> </u>				
	(CH110-160)	reinstatement	Labourer (male)	C406	6	Backhoe		EX39						
		SRT for backfilled layers of Ø2100 pipe trench at Ch. 125~160 (+4.7 mPD) by Hong Kong Testing Co.,												
		Ltd. Excavating to expose existing Ø300 watermain, then driving sheetpiles for shoring of Ø2100 pipe												
		trench at Ch. 110~114, footpath side												
		Excavating trench at footpath, Ch. 125~160 for utilities reinstatement												
	1		Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe			I	EX45	h			
			Plant and Equipment Operator (Hoist and Crane)	C334	1	Backhoe with Vibrating	1	EX48						
	1		<u> </u>			Hammer Mini Generator		l		<u> </u>		MAT		
			1 1			Oxy-Acetylene	1					······		
			l			Water Pump 50inm	2						-	
	1					Welding Set	1			<u> </u>				
						Trending bet								
	Area A - Ting Kok Road	No activity as per KLKJV arrangement	<u> </u>			Water Pump 50mm	1	<u> </u>						
	(Intake Structure)													
10.00 10.00			····											
08:00 - 18:00	Area B - Tung Tsz Nursery (CH130-CH280)	Bay 13 - Excavating for box culvert Cart away excavated material to temporary stockpile area at D.D.12, Tung Tze Road (16 truckloads)	Labourer (male)	C406	4	Backhoe	Ι	EX08				· · · · · · · · · · · · · · · · · · ·		
	(C11450-C11200)	curranuy cacavateu material to temporary stockpile area at D.D.12, lung 12e Koad (16 truckloads)	Plant & Equipment Operator (Earthmoving Machinery)	0332	Ŧ	,_,_,_,_			,	<u> </u>				
			is any a sequence operator (regenerating regeneration)	C333	1	1	1	{		1			1	

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	
	_

Engineer's Representative

Signed:

Contractor's Representative

Signed:

Eddie Luk / Resident Engineer Name/Post:

Date:

Date:

Wong Ching Lung / Site Agent 12/6/2012

Date:

Day: Monday

IOW

Tso Sai Kuen / Inspector of Works

12/6/2012

### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour			1	Pla	nt				Material Delivered	
						Туре	Wo	rking	1	Idling		Description	Quantity
			Trade	Code	No.	-	No.	ID	No.	ID	Code		
08:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	Bay 6 - Dismantling falsework & stripping off soffit from top slab Bay 5 - Erecting falsework & shuttering for walls and soffit	Carpenter (Formwork)	C307	2	Backhoe	1	EX46		_		·····	
·			Labourer (male)	C406	3	Generator	1	1	1	-	11		
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Oxy-Acetylene	1	1	1	1		/ <u>.</u>	
						Water Pump 50mm	1	1	1	1		······	1
						Water Pump 75mm	1						
	Area B - Tung Tsz Nursery (Jacking Pit)	No activity as per KLKJV arrangement				Backhoe			1	EX25	Ь		
						Generator			1		h		
						Oxy-Acetylene			1		h		
08:00 - 17:00	Area E - Siu Lek Yuen Rd.Playground	Manhole S8 - Formwork shuttering and concreting for base slab & benching	Carpenter (Formwork)	C307	1	Backhoe	I	EX21					
			Labourer (male)	C406	2	Generator	1	1	<u>[</u>	-	1		1
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Oxy-Acetylene		1	1	1	h	······································	-
						Vibrating Prob	1	1		1			
						Water Pump 50mm	I	1		1			
	1			_		Water Pump 75mm	2						
	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement											
	Area G - Ngan Shing St.	No activity as per KLKJV arrangement											
								+					
	Area I - Contractor Office	No activity as per KLKJV arrangement								+			

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

#### Signed:

Name/Post:

Engineer's Representative

Eddie Luk / Resident Engineer

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

Date:

Date:

12/6/2012

Date:

Contract No.: DC/2009/22 Date: 11/06/2012

Day: Monday

6. IOW

Tso Sai Kuen / Inspector of Works

12/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1

Contractor: KWAN LEE - KULY JOINT VENTURE

#### Weather:

#### Typhoon / Warning Signal:

<u>AM</u> <u>PM</u> Thunderstorm Warning - 03:30~05:30 & 17:45~24:00

Cloudy Fine

ST 5, TP 10

Rainfall (mm)

Special Announcement of Flooding in N.N.T. - 20:30~22:45

(Hong Kong Observatory's record)

Instructions to Contractor	Contractor's Site Staff No.	Labour	Code	No.	Labour	Code	No.	Plant	
(Record verbal instructions given)	Assistant Surveyor	Asphalter (Other Construction)	C301		Chainman	C401		Туре	No. Working
	Chainman 3	Asphalter (Roadworks)	C302		Concreting Labourer	C402		Backhoe	S S
	Community Liaison Officer 1	Bamboo Scaffolder	C303		Diver's Linesman / Dredger Crew / Barge Crew	C403		Backhoe with Vibrating Hammer	1
	CEG 1	Bar Bender & Fixer	C304	2	Excavator	C404		Generator	2
	Contract Manager 1	Bricklayer	C305		Heavy Load Labourer	C'405		Grab Lorry	1
Comments by Engineer's / Contractor's Representative	Engineer	Carpenter (Fender)	C306		Labourer (male / female) / Lorry checker / Watchman Office attendan		27	Mini Generator	1
	Environmental Officer 1	Carpenter (Fornwork)	C307	1	Sewerman	C407		Mobile Crane	. 1 .
	Foreman/Assistant Foreman 2	Concrete Repairer	C308		Automation Equipment Mechanic	E301		Oxy-Acetylene	
	General Foreman 1	Concretor	C309		Building Services Mechanic	E302		Steel Bending Machine	
	Labour Officer 1	Construction Plant Mechanic	C310		Cable Jointer (Power)	E303		Water Pump 50mm	7
	Land Surveyor I	Curtain Wall Installer	C311		Carpenter	E304		Water Pump 75mm	4
Utilities	Project Director 1	Demolition Worker	C312		Electrician/Electrical Fitter	E305			
(Record location & nature of works)	Project Manager 2	Diver	C313		Fire Services Mechanic	E306			
	Project Quantity Surveyor 1	Drainlayer	C314		Instrument Mechanic	E307			
	Quantity Surveyor	Electrician (Main Contractor's)	C315		Lift Electrician	E308			4
	Safety Officer 1	Floor Layer	C316		Lift Mechanic	E309			
	Site Agent 1	Gas Plumber	C317		Mechanical Fitter	E310			and the second second second second second second second second second second second second second second second
	Surveyor	General Welder	C318		Overhead Linesman	E311			
		Glazier	C319		Painter	E312			
		Ground Investigation Operator/Driller Borer	C320	.	Plumber and Pipe Fitter	E313			
		Grouting Worker	C321		Refrigeration/AC/Ventilation Mechanic	E314			
		Joiner	C322		Sheet Metal Worker	E315			
		Leveller	C323		Sign Fabricator	E316			
		Marble Worker	C324	. 4	Sign Installer	E317			
Progress		Marine Construction Plant Operator	<u>C325</u>		Thermal Insulation Craftsman	E318			
(Mention briefly any matter delaying or obstructing progress)		Mason Metal Scaffolder	C326	.	Welder	E319			· · · · · · · · · · · · · · · · · · ·
(Area was breen any matter detaining of observering progress)	·····	Metal Worker	C327		Labourer Semi-skilled Worker	E401			
	· · · · · · · · · · · · · · · · · · ·	Painter & Decorator	C328 C329		Semi-skilled worker Technician	E402			
	· · · · · · · · · · · · · · · · · · ·	Piling Operative			I ecanician	Т			
		Pipelayer	C330			• • • • • • • • • • • •			
		Plant and Equipment Operator (Builder's Lift and Other Machinery)	C331 C332				[	L	· · · · · · · · · · · · · · · · · · ·
Visitor		Plant & Equipment Operator (Earthmoving Machinery)	C333	5					
(Record names of visitors and time of visit)	· · · · ·	Plant and Equipment Operator (Hoist and Crane)	C334	3					
		Plant and Equipment Operator (Piling)	C335						······
		Plant and Equipment Operator (Tunnelling)	C336				·		-
		Plasterer	C337	1	······				and the second second
		Plumber	C338			······			······
Accidents		Pneumatic Driller	C339	1					
(Describe any occurance of accident)		Prestressing Operative	C340	·· ···]	···· ·····			· · · · · · · · · · · · · · · · · · ·	
(Describe any occurance of accident)		Rigger/Metal Fornwork Erector	C341	1					
		Shotcretor	C342			<u>.</u>			
	1.	Shotfirer	C343	···· [					l P
		Slope Maintenance Worker	C344						
		Structural Steel Erector	C345		······				
Remarks		Structural Steel Welder	C346			i de la	·		····· ···· ····· ····· ····· ··· ···
- Backhoe EX39 off site		Tiler	C347			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	······································	
Backhoe EX36 on site		Trackworker	C348						
		Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C349						
		Window Frame Installer	C350						
	Total 19								
	Assistance to Engineer No.			1		· · ·			
	NO.								
	Amah I								
	Coordinate Engineer I								
	Drafting Assistant 1								
	Driver 2						1		
	Field Assistant 3			··· 1			·· ·	······································	
	Office Assistant 1			1					
	Watchman 1		4	1					
	Total 10	(To be continued)		······	Total Labour	• • • • • • • • • • • • • • • • • • • •	38		and the second second second second second second second second second second second second second second second

* 1	Working ganger	is equivalent to ordinary worker in the trade in which
he.	is employed or.	if the trade is not listed, truck driver
(re	fer to GS Table	1.1)

Day's record and instructions checked and agreed

Signed:

Engineer's Representative

Name/Post: Eddie Luk/Resident Engineer

Date:

Signed: Contractor's Representative

Wong Ching Lung / Site Agent

Original - ER's File

Duplicate - Contractor

Date:

13/6/2012

### Contract No.: DC/2009/22 Date: 12/06/2012 Day: Tuesday

Signed:

IOW

Tso Sai Kuen / Inspector of Works

Date:

13/6/2012

### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Pla	nt				Material De	livered
						Туре	Working		<b>.</b>			Description	Quantity
			Trade	Code	No.		No.	ID	No.	ID	Code		
08:00 - 18:00	Area A - DN1800 Stormwater Drain	Modification of temporary gate along hoarding at cycle track side	Labourer (male)	C406	2	Backhoe with Vibrating Hammer	1	EX48					
			Plant and Equipment Operator (Hoist and Crane)	C334	1	Oxy-Acetylene	1	1	1	1	h		1
								1	1	1	1		1
08:00 - 18:00	Area A - Pump Station	Importing 6 truckloads of sand materials from Area B and backfilling between ground beams BB13 & BB16 Cart away building debris to WENT (1 Truckload) General housekeeping	Labourer (female)	C406	2	Backhoe	1	EX28					
			Labourer (male)	C406	1	Grab Lorry	1						
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Mobile Crane	1						
			Plant and Equipment Operator (Hoist and Crane)	C334	2	Steel Bending Machine			3		h		
						Water Pump 50mm	2						
	_					Water Pump 75mm	1						
08:00 - 18:00	Area A - Pump Station	Rendering to parapet walls at switchroom & transformer room to correct vertical alignment	Labourer (male)	C406	3								
	Area A - Pump Station - Box Culvert	No activity as per KLKJV arrangement											
07.00 10.00					ļ					<u> </u>			
07:00 - 18:00 18:00 - 20:00	Area A - Ting Kok Koad	Manual control of "stop/go" sign for traffic flow regulation Manual control of temporary traffic light for traffic flow regulation (1 male labourer from other area)	Labourer (female)	C406	3					ļ			
08:00 - 18:00	Area A - Ting Kok Road (CH110-160)	Laying 2 x Ø150 UPVC ducts for control cable to intake structure Laying existing utilities into trench at footpath, Ch. 125~160 Fixing Cl gully grating (3 nos.) & manhole cover (SMH02) for carriageway reinstatement	Labourer (male)	C406	4	Backhoe			1	EX29	h		
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe	1	EX45		t			-
						Mini Generator	1			<u> </u>			1
						Water Pump 50mm	2						
				1			1	1		1			
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1						
08:00 - 18:00	Area B - Tung Tsz Nursery (CH130-CH280)	Bay 13 - Excavating for box culvert Fabricating first layer 1-beam struts for shoring Cart away excavated material to temporary stockpile area at D.D.12 Tung Tzw Road (16 truckloads)	Labourer (male)	C406	4	Backhoe	1	EX08					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1								1
08:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	Bay 5 - Rebar fixing for walls & top slab	Bar Bender & Fixer	C304	2	Backhoe	1	EX46					
			Labourer (male)	C406	5	Generator	1						

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Ε	ngineer's Representative
Name/Post:	Eddie Luk/Resident Engineer
Date:	

Contractor's Representative

13/6/2012

Signed: <

Wong Ching Lung / Site Agent

Date:

Signed:

Contract No.: DC/2009/22 Date: 12/06/2012

Day: Tuesday

686 IOW

Tso Sai Kuen / Inspector of Works

13/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Pla	nt				Material Delivered		
							Wo	rking	Ι	Idling		Description	Quantity	
			Trade	Code	No.	1	No.	ID	No.	ID	Code			
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Oxy-Acetylene			1	1	h		1	
					1	Water Pump 50mm	1	1		1		A	1	
						Water Pump 75mm	1						1	
								1		1				
	Area B - Tung Tsz Nursery (Jacking Pit)	No activity as per KLKJV arrangement				Backhoe			1	EX25	h			
						Backhoe			1	EX36	h			
						Generator		1	1		h		1	
						Oxy-Acetylene		ł	1		h			
08:00 - 17:00	Area E - Siu Lek Yuen Rd.Playground	Manhole S8 - Stripping off Formwork from base slab & benching General site works	Carpenter (Formwork)	C307	1	Backhoe	1	EX21						
			Labourer (male)	C406	3	Generator	1						1	
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Oxy-Acetylene			1		h		Ι	
						Water Pump 50mm	1						1	
······						Water Pump 75mm	2							
										l.				
	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement												
	Area G - Ngan Shing St.	No activity as per KLKJV arrangement						<u> </u>						
	Area I - Contractor	No activity as per KLKJV arrangement		+									+	
	Office													

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:

Engineer's Representative

Eddie Luk/Resident Engineer Name/Post: Date:

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent 13/6/2012

Date:

Date:

Contract No.: DC/2009/22 Date: 12/06/2012

Day: Tuesday

/ IOW

Tso Sai Kuen / Inspector of Works

13/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1

Contractor: KWAN LEE - KULY JOINT VENTURE

#### Weather:

Shower

#### Typhoon / Warning Signal:

<u>AM</u> <u>PM</u>

<u>Rainfall (mm)</u> ST 20, TP 50 Amber Rainstorm Warning - 15:15~16:40 Thunderstorm Warning - 00:00~00:20, 03:45~05:45 & 14:30~17:30

(Hong Kong Observatory's record)

Rainy

Instructions to Contractor	Contractor's Site Staff No.	Labour	Code No.	Labour	Code No.	Plant
(Record verbal instructions given)						
	Assistant Surveyor	Asphalter (Other Construction)	C301	Chainman	C401	Type No. Working No. Idle
	Chainman 3	Asphalter (Roadworks)	C302	Concreting Labourer	C402	Backhoe 4 4
	Community Liaison Officer 1	Bamboo Scaffolder	C303	Diver's Linesman / Dredger Crew / Barge Crew	C403	Backhoe with Vibrating Hammer
	CEG 1	Bar Bender & Fixer	C304 2	Excavator	C404	Generator 3
	Contract Manager 1	Bricklayer	C305	Heavy Load Labourer	C405	Grab Lorry I
Comments by Engineer's / Contractor's Representative	Engineer	Carpenter (Fender)	C306	Labourer (male / female) / Lorry checker / Watchman Office atter		Mini Generator 1
	Environmental Officer 1	Carpenter (Formwork)	C307 1	Sewennan	C407	Oxy-Acetylene 1 3
	Foreman/Assistant Foreman 2	Concrete Repairer	C308	Automation Equipment Mechanic	E301	Steel Bending Machine 3
	General Foreman I	Concretor	C309	Building Services Mechanic	E302	Vibrating Hammer 1
	Labour Officer 1	Construction Plant Mechanic	C310	Cable Jointer (Power)	E303	Vibrating Roller 2
	Land Surveyor 1	Curtain Wall Installer	C311	Carpenter	E304	Water Punip 50mm 7
	Project Director	Demolition Worker	C312	Electrician/Electrical Fitter	E305	Water Pump 75mm 4
Utilities	Project Manager 2	Diver	C313	Fire Services Mechanic	E306	Welding Set 1 1
(Record location & nature of works)	Project Quantity Surveyor 1	Drainlayer	C314	Instrument Mechanic	E307	weitimit 201
	Quantity Surveyor	Electrician (Main Contractor's)	C315	Lift Electrician	E308	
	Safety Officer 1	Floor Layer	C316	Lift Mechanic	E308 E309	
	Site Agent 1	Gas Plumber	C317	Mechanical Fitter		
	Surveyor 1	General Welder	· · · · · · · · · · · · · · · · · · ·	Overhead Linesman	E310	······································
		Glazier	C318 2 C319		E311	
		Ground Investigation Operator Driller Borer		Painter	E312	······
		Grouting Worker	C320	Plumber and Pipe Fitter Refrigeration/AC/Ventilation Mechanic	E313	and a second second second second second second second second second second second second second second second
			C321		E314	· · · · · · · · · · · · · · · · · · ·
		Joiner	C322	Sheet Metal Worker	E315	······································
		Leveller	<u>C323</u>	Sign Fabricator	E316	
		Marble Worker	C324	Sign Installer	E317	
Progress	······	Marine Construction Plant Operator	C325	Thermal Insulation Craftsman	E318	
(Mention briefly any matter delaying or obstructing progress)		Mason	C326	Welder	E319	and a first of the second dimension of the second second second second second second second second second second
Intention offerty any matter delaying of bost being progress)		Metal Scaffolder	C327	Labourer	E401	
		Metal Worker	C328	Semi-skilled Worker	E402	
		Painter & Decorator	C329	Technician	T	
		Piling Operative	C330			
		Pipelayer	C331			
Visitor		Plant and Equipment Operator (Builder's Lift and Other Machinery)				
(Record names of visitors and time of visit)		Plant & Equipment Operator (Earthmoving Machinery)	C333 4			
		Plant and Equipment Operator (Hoist and Crane)	C334 2			
		Plant and Equipment Operator (Piling)	C335			
		Plant and Equipment Operator (Tunnelling)	C336			
		Plasterer	C337			
		Plumber	C338			
Accidents		Pneumatic Driller	C339			
(Describe any occurance of accident)		Prestressing Operative	C340			
		Rigger/Metal Formwork Erector	C341			
		Shotcretor	C342			
		Shotfirer	C343			
		Slope Maintenance Worker	C344			
		Structural Steel Erector	C345			
Remarks		Structural Steel Welder	C346			
	· · · · · · · · · · · · · · · · · · ·	Tiler	C347			
		Trackworker	C348			
		Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C349			
		Window Frame Installer	C350			
	Total 19					
	Assistance to Engineer No.					in the second second second second second second second second second second second second second second second
	rassistance to Engineer 110.					
	Amah 1					
	Coordinate Engineer 1					
	Drafting Assistant 1					
	Driver 2	1 01 · · · ·				· · · · · · · · · · · · · · · · · · ·
	Field Assistant 3			and the second		
	Office Assistant 1				· · · · · · · · · · · · · · · · · · ·	
	Watchman 1	· · · · · · · · · · · · · · · · · · ·				
	Total 10	(To be continued)		Total Labour	35	Total 26 11
		LIM.D. VIIIINUVII	I	ITAINE L'ANARI.		<u>11.0131</u> <u>20</u> 11

* Working ganger is equivalent to ordinary worker in the trade in which
he is employed or, if the trade is not listed, truck driver
(refer to GS Table 1.1)

Signed:

Day's record and instructions checked and agreed

 Engineer's Representative

 Name/Post:
 Eddie Luk/Resident Engineer

Contractor's Representative

Wong Ching Lung / Site Agent

14/6/2012

Date:

Date:

Signed:

#### Contract No.: DC/2009/22 Date: 13/06/2012

Day: Wednesday

Signed:

IOW

Tso Sai Kuen / Inspector of Works

Date:

14/6/2012

### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Storm  Storm  Storm  Area  Area  Area  Area  Area  Area	rmwater Drain	Modification of temporary gate along hoarding at cycle track side Backfilling & compacting sand material between ground beams BB1~ BB17 General housekeeping	Trade General Welder Labourer (male) Plant and Equipment Operator (Hoist and Crane) Labourer (female)	Code C318 C406 C334 C406	No. 1 1	Type Backhoe with Vibrating Hammer Oxy-Acetylene	Wo No. 1	rking ID EX48	No.	Idling ID	Code	Description	Quantity
Storm Storm Storm Storm Area / Storm Area / Area / Area / Area / Area / Area / Area /	rmwater Drain	Backfilling & compacting sand material between ground beams BB1~ BB17	General Welder Labourer (male) Plant and Equipment Operator (Hoist and Crane)	C318 C406 C334		Hammer	1		No.	IÐ	Code	<b></b>	
Storm Storm Storm Storm Area / Storm Area / Area / Area / Area / Area / Area / Area /	rmwater Drain	Backfilling & compacting sand material between ground beams BB1~ BB17	Labourer (male) Plant and Equipment Operator (Hoist and Crane)	C406 C334	1 1 1	Hammer	<u> </u>	EX48				William	
08:00 - 18:00 Area /			Plant and Equipment Operator (Hoist and Crane)	C334	1	Oxy-Acetylene	1	1			1 1		
08:00 - 18:00 Area /					1								1
08:00 - 18:00 Area /			Labourer (female)	C404				1	1				
Area /				1.400	2	Backhoe			1	EX28	h	****	
Area /			Labourer (male)	C406	2	Steel Bending Machine	1	1	3		h		
Area /						Water Pump 50mm	2	1	1	1		······	
Area /						Water Pump 75mm	1		1				
		Rendering to exterior side of parapet walls at switchroom & transformer room to correct the vertical alignment	Labourer (female)	C406	1				 			- 100 M	
	·	enEuropr	Labourer (male)	C406	3								
Box (	a A - Pump Station - Culvert	No activity as per KLKJV arrangement		_					ļ				
07:00 - 18:00 Area A	a A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation	Labourer (female)	C406	3								
18:00 - 20:00		Manual control of temporary traffic light for traffic flow regulation (1 male labourer from other area)							<u> </u>				
08:00 - 18:00 Area / (CH11	a A - Ting Kok Road 1110-160)	Importing fill material from Area B (1 Truckload) and backfilling at pipe trench, Ch. 125~160 Laying bituminous road base at Ch. 125~160 for road reinstatement	Labourer (male)	C406	4	Backhoe	1		1	EX29	h		
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe	1	EX45					
			Plant and Equipment Operator (Hoist and Crane)	C334	1	Grab Lorry	1	1		1			
						Mini Generator	1						
						Vibrating Hammer	1						
						Vibrating Roller	2						
						Water Pump 50mm	2						
Area / (Intak	a A - Ting Kok Road ake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1						
08:00 - 18:00 Area E Nurser	a B - Tung Tsz sery (CH130-CH280)	Bay 13 - Excavating for box culvert Fabricating first layer I-beam struts for shoring	Labourer (male)	C406	3	Backhoe	1	EX08					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1								
08:00 - 18:00 Area E	a B - Tung Tsz	By 5 - Rebar fixing for walls & top slab	Bar Bender & Fixer	C304	2	Backhoe	1	EX46					+
Nurser				1		1							

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed: Engineer's Representative Eddie Luk/Resident Engineer Name/Post:

Date:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

Date:

Signed:

14/6/2012

Date:

Contract No.: DC/2009/22

Date:	1
-------	---

3/06/2012

Day: Wednesday

Ð IOW

Tso Sai Kuen / Inspector of Works

1H/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Pla	nt				Material De	livered
						Туре	Wo	rking	Τ	Idling		Description	Quantity
			Trade	Code	No.		No.	ID	No.	ID	Code		
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Oxy-Acetylene		1	1	1	h		
:						Water Pump 50mm	1	1	1	1			
				1	1	Water Pump 75mm	1						
								1	1			<u></u>	
08:00 - 18:00	Area B - Tung Tsz Nursery (Jacking Pit)	Fabricating 2nd layer I-beam walings and structs for jacking pit	General Welder	C318	1	Backhoe			1	EX25	h		
						Backhoe		1	1	EX36	h		
					ŀ	Generator	1	1		T			
						Oxy-Acetylene	1		1		h		
						Welding Set	1						
								Ι	1				
	Area E - Siu Lek Yuen Rd.Playground	Manhole S8 - Formwork shuttering for wall stem PL 1604.1 - Excavating trench along shoring line to remove boulders Cart away excavated materials to area B (1TruckLoad)	Carpenter (Formwork)	C307	1	Backhoe	Ĩ	EX21					
			Labourer (male)	C406	2	Generator	1	1	1	1			1
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Oxy-Acetylene			1		h		
						Water Pump 50mm	1	1	1				
						Water Pump 75mm	2		1			·	
						Welding Set			1		h		
	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement											
	Area G. Maan Shina St	No activity as per KLKJV arrangement						<u> </u>	ļ	<u> </u>			
	ruca O * Irgan Shilly St.	nto activity as per KLKJY arrangement						1	<u> </u>				
	Area I - Contractor Office	No activity as per KLKJV arrangement		_						<u> </u>			_

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:

Engineer's Representative

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

Date:

1416/2012

Date:

Eddie Luk/Resident Engineer Name/Post: Date:

Contract No.: DC/2009/22 Date: 13/06/2012

Day: Wednesday

VG O IOW

Tso Sai Kuen / Inspector of Works

14/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1

Contractor: KWAN LEE - KULY JOINT VENTURE

Weather:

Typhoon / Warning Signal:

<u>AM</u> <u>PM</u> Fine

Fine

Rainfall (mm)

ST 0, TP 0

(Hong Kong Observatory's record)

Instructions to Contractor	Contractor's Site Staff No.	Labour	Code No	lo.	Labour	Code No	. Pla	nt
(Record verbal instructions given)	Assistant Surveyor	Asphalter (Other Construction)	C301	Chain	119 P	C401		N/- 33/
	Chainman 3	Asphalter (Roadworks)	C302		eting Labourer	C401 C402	Backhoe Type	No. Working No. 1
	Community Liaison Officer	Bamboo Scaffolder	C303		s Linesman / Dredger Crew / Barge Crew		Backhoe with Vibrating Hammer	0 <u>2</u>
	CEG 1	Bar Bender & Fixer	C304			C403		
	Contract Manager 1	Bricklayer		Excav		C404	Generator	4 1
Comments by Engineer's / Contractor's Representative	Engineer	Carpenter (Fender)	<u>C305</u>	Heavy	/ Load Labourer er (male / female) / Lorry checker / Watchman Office attendan	C405	Mini Generator	
Sumary of Steneor St Contractor Steepresentative	Environmental Officer 1		C306			<u>C406</u> 26		3
	Foreman/Assistant Foreman 2	Carpenter (Formwork)	<u>C307</u> 3	an area are		C407	Steel Bending Machine	· · · · · 3
		Concrete Repairer	C308		nation Equipment Mechanic	E301	Vibrating Hammer	· · · · · · · · · · · · · · · · · · ·
	General Foreman 1 Labour Officer 1	Concretor	C309		ng Services Mechanic	E302	Vibrating Prob	
	Land Surveyor 1	Construction Plant Mechanic Curtain Wall Installer	C310		Jointer (Power)	E303	Vibrating Roller	2
			C311	Carper		E304	Water Pump 50mm	7
Utilities	Project Director 1	Demolition Worker	C312		ician/Electrical Fitter	E305	Water Puinp 75mm	
(Record location & nature of works)	Project Manager 2	Diver	C313		ervices Mechanic	E306	Welding Set	
	Project Quantity Surveyor 1	Drainlayer	C314		ment Mechanic	E307		
	Quantity Surveyor	Electrician (Main Contractor's)	C315		lectrician	E308		
	Safety Officer 1	Floor Layer	C316		lechanic	E309		
	Site Agent I	Gas Plumber	C317		anical Fitter	E310		·
	Surveyor 1	General Welder	C318 2		ead Linesman	E311		
		Glazier	C319	Painter	r	E312		
		Ground Investigation Operator/Driller/Borer	C320		er and Pipe Fitter	E313		
		Grouting Worker	C321		eration AC/Ventilation Mechanic	E314		
		Joiner	C322		Metal Worker	E315		· · · · · · · · · · · · · · · · · · ·
		Leveller	C323		abricator	E316		
		Marble Worker	C324	Sign Ir	nstaller	E317		
		Marine Construction Plant Operator	C325	Therm	al Insulation Craftsman	E318		
Progress		Mason	C326	Welde	er	E319		
(Mention briefly any matter delaying or obstructing progress)		Metal Scaffolder	C327	Labou		E401		
		Metal Worker	C328	Semi-s	skilled Worker	E402		
		Painter & Decorator	C329	Techni	ician	Т		
		Piling Operative	C330					
		Pipelayer	C331					
Visitor		Plant and Equipment Operator (Builder's Lift and Other Machinery)	) C332					
(Record names of visitors and time of visit)		Plant & Equipment Operator (Earthmoving Machinery)	C333 6	6				
(Record names of visitors and time of visit)		Plant and Equipment Operator (Hoist and Crane)	C334		· · · · ·			
		Plant and Equipment Operator (Piling)	C335					
		Plant and Equipment Operator (Tunnelling)	C336					
		Plasterer	C337					
		Plumber	C338					a anna ann a cara ann a
Accidents		Pneumatic Driller	C339					· · · · · · · · · · · · · · · · · · ·
(Describe any occurance of accident)		Prestressing Operative	C340			···· ·········		
to estime any occurrate of accounty		Rigger/Metal Formwork Erector	C341			· · · · ·		
		Shotcretor	C342			· · · · · · · · · · · · · · · · · · ·		
		Shotfirer	C343		•••	· · · · · · · · · · · · · · · · · · ·		1
		Slope Maintenance Worker	C344				·····	
		Structural Steel Erector	C345		*			
Remarks		Structural Steel Welder	C'346		· · · · · · · · · · · · · · · · · · ·			
y Safety & Environmental Co-ordination Meeting #117 was held at 11:40 A.M		Tiler	C347					
		Trackworker	C348		······································			· · · · · · · · · · · · · · · · · · ·
		Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C349		·····			terre terre traditione
		Window Frame Installer	C350	·     ·	······			
	Total 19	The main mainter	1.350		· · · · · · · · · · · · · · · · · · ·			
		· · · · · ·				÷ -		10 B
	Assistance to Engineer No.			·····	· · · · · · · · · · · · · · · · · · ·			
	Amah 1		et e e e e e e e e e e e e e e e e e e					
	Coordinate Engineer 1							
	Drafting Assistant 1							
	Driver 2							
	Field Assistant 3				······································		••••••••••••••••••••••••••••••••••••••	
	Office Assistant 1	··· ··· ···	÷			·· .		
	Watchman 1							
	Total 10	(To be continued)		Total I	Labour	37	Total	29 10

* Working ganger is equivalent to ordinary worker in the trade in which he is employed or, if the trade is not listed, truck driver (refer to GS Table 1.1) Day's record and instructions checked and agreed	Signed: Engineer's Representative	Signed:	Contractor's Representative
	Name/Post: Eddie Luk / Resident Engineer		Wong Ching Lung / Site Agent

Original - ER's File

Duplicate - Contractor

Date:

Date:

15 16/2012

### Contract No.: DC/2009/22 Date: 14/06/2012 Day: Thursday

Signed:

É IOW

Tso Sai Kuen / Inspector of Works

Date:

15/6/2012

Idling Code:

a Breakdown e Bad Weather b Standby c Awaiting Instruction d Assemble/Disassemble

f Task Completed g No Operator h Not Required i Sunday/Public Holiday

						······································								
Time	Location	Activity	Labour				Pla	nt				Material Delivered		
						Туре	We	rking		Idling		Description	Quantity	
			Trade	Code	No.		No.	ID	No.	ID	Code			
08:00 - 18:00	Area A - DN1800 Stormwater Drain	Modification of temporary gate along hoarding at cycle track side	General Welder	C318	1	Backhoe with Vibrating Hammer			1	EX48	h			
			Labourer (male)	C406	2	Generator	1	1	1	1			1	
					1	Oxy-Acetylene	1	1	1	1	1		1	
					1	Welding Set	1	1	1	1	1	· · · · · · · · · · · · · · · · · · ·		
									1					
08:00 - 18:00 A	Area A - Pump Station	Laying blinding concrete for ground floor slab (BB1~BB17) Cleaning up works at transformer room	Labourer (female)	C406	2	Backhoe	I	EX28						
-			Labourer (male)	C406	2	Steel Bending Machine	1	1	3	1	h			
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Water Pump 50mm	2	1	1	1		······		
						Water Pump 75mm	1	1	1					
							1	1	1				···	
08:00 - 18:00	Area A - Pump Station	Rendering to exterior side of parapet walls at switchroom & transformer room to rectify the vertical alignment	Labourer (female)	C406	1		1							
			Labourer (male)	C406	3			1					1	
					[		1	1		1			1	
	Area A - Pump Station - Box Culvert	No activity as per KLKJV arrangement												
07:00 - 18:00 18:00 - 20:00	Area A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation Manual control of temporary traffic light for traffic flow regulation (1 male labourer from other area)	Labourer (female)	C406	3									
00.00 10.00					L			L	<u> </u>	ļ		· · · · · · · · · · · · · · · · · · ·		
08:00 - 18:00	Area A - Ting Kok Road (CH110-160)	Backfilling & compacting to formation of footpath at Ch. 125~160 for reinstatement Laying BRC mesh & concreting for run-in of Pump Station #7 Laying bituminous road base for cariageway reinstatement at Ch 125~160 Laying bituminous wearing course for cariageway reinstatement at Ch. 125~145	Labourer (male)	C406	5	Backhoe				EX29	h			
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe	1	EX45						
						Mini Generator	1							
						Vibrating Hammer	1	1	I				1	
						Vibrating Roller	2		1	1			1	
						Water Pump 50mm	2		1	ĺ				
							l							
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1							
08:00 - 18:00	Area B - Tung Tsz	Bay 13 - Excavating for box culvert and fabricating first layer I-beam struts for shoring	General Welder	C318	1	Backhoe	1	EX08						
	Nursery (CH130-CH280)	Cart away excavated material to temporary stockpile area at D.D.12 Tung Tze Road (28 truckloads)			*			Ling						
			Labourer (male)	C406	3	Generator	1	1		1			1	
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Welding Set	1	1		1			+	

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	
	Engi

ineer's Representative

Eddie Luk / Resident Engineer Name/Post:

Date:

Signed:

Contractor's Representative

Signed:

Date:

Wong Ching Lung / Site Agent

15/6/2012

Date:

Day: Thursday

IOW

Tso Sai Kuen / Inspector of Works

15/6/2012

#### Idling Code:

a Breakdown b Standby e Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Pla	nt				Material Del	livered
						Туре	Wo	rking	Τ	ldling		Description	Quantity
			Trade	Code	No.	1	No.	10	No.	IÐ	Code		
								1	1	1		······································	
08:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	Bay 5 - Fixing hydrophilic waterstops at wall kickers and formwork shuttering for walls	Carpenter (Formwork)	C307	2	Backhoe	1	EX46				<u> </u>	1
			Labourer (male)	C406	1	Generator	1	1	1	1			
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Oxy-Acetylene		1	1		h		1
						Water Pump 50mm	1	1	1	1			1
						Water Pump 75mm	I						
08:00 - 18:00	Area B - Tung Tsz Nursery (Jacking Pit)	Excavating to formation level	Labourer (male)	C406	2	Backhoe			1	EX25	h		
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe	1	EX36					
						Generator		ł	1		h		
						Oxy-Acetylene			I		h		
00.00 17.00									<u> </u>				
08:00 - 17:00	Area E - Siu Lek Yuen Rd.Playground	Manhole S8 - Formwork shuttering, rebar fixing and then concreting for wall stems and top slab	Carpenter (Formwork)	C307	1	Backhoe	1	EX21					
			Labourer (male)	C406	2	Generator	1			1		· · · · · · · · · · · · · · · · · · ·	
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Oxy-Acetylene			1		h		
						Vibrating Prob	1						
						Water Pump 50mm	1						
						Water Pump 75mm	2						
								L					
	Rest Garden	No activity as per KLKJV arrangement											
	Area G - Ngan Shing St.	No activity as per KLKJV arrangement											
										1		······································	1
	Area I - Contractor Office	No activity as per KLKJV arrangement								1			1

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:

Engineer's Representative

Eddie Luk / Resident Engineer

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

Date:

Name/Post:

Date:

15/6/2012

Date:

Contract No.: DC/2009/22 Date: 14/06/2012

Day: Thursday

16 1 IOW

Tso Sai Kuen / Inspector of Works

15/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1

Contractor: KWAN LEE - KULY JOINT VENTURE

Weather:			Typhoon / Warning Signal:
AM	<u>PM</u>	Rainfall (mm)	

ST 0, TP 0

Cloudy Cloudy

(Hong Kong Observatory's record)

Instructions to Contractor	Contractor's Site Staff No.	Labour	Code No.	Labour	Code No.
(Record verbal instructions given)			Couc 110.	Labour	Coue no.
	Assistant Surveyor	Asphalter (Other Construction)	C301	Chainman	C401
	Chainman 3	Asphalter (Roadworks)	C302	Concreting Labourer	C402
	Community Liaison Officer 1	Bamboo Scaffolder	C303	Diver's Linesman / Dredger Crew / Barge Crew	C403
	CEG 1	Bar Bender & Fixer	C304 I	Excavator	C404
	Contract Manager 1	Bricklayer	C305	Heavy Load Labourer	C404
Comments by Engineer's / Contractor's Representative	Engineer	Carpenter (Fender)	C306	Labourer (male / female) / Lorry checker / Watchman Office att	
	Environmental Officer 1	Carpenter (Formwork)			
			<u>C307</u>	Sewerman	<u>C407</u>
	Foreman/Assistant Foreman 2	Concrete Repairer	C308	Automation Equipment Mechanic	E301
	General Foreman 1	Concretor	C309	Building Services Mechanic	E302
	Labour Officer I	Construction Plant Mechanic	C310	Cable Jointer (Power)	E303
	Land Surveyor 1	Curtain Wall Installer	C311	Carpenter	E304
Utilities	Project Director 1	Demolition Worker	C312	Electrician/Electrical Fitter	E305
(Record location & nature of works)	Project Manager 2	Diver	C313	Fire Services Mechanic	E306
(Record location & nature of works)	Project Quantity Surveyor 1	Drainlayer	C314	Instrument Mechanic	E307
	Quantity Surveyor	Electrician (Main Contractor's)	C315	Lift Electrician	E308
	Safety Officer 1	Floor Layer	C316	Lift Mechanic	E309
	Site Agent 1	Gas Plumber	C317	Mechanical Fitter	
	Surveyor i	General Welder			E310
			C318	Overhead Linesman	E311
		Glazier	C319	Painter	E312
		Ground Investigation Operator/Driller Borer	C320	Plumber and Pipe Fitter	E313
		Grouting Worker	C321	Refrigeration/AC/Ventilation Mechanic	E314
		Joiner	C322	Sheet Metal Worker	E315
		Leveller	C323	Sign Fabricator	E316
		Marble Worker	C324	Sign Installer	E317
		Marine Construction Plant Operator	C325	Thermal Insulation Craftsman	E318
Progress		Mason	C326	Welder	E319
(Mention briefly any matter delaying or obstructing progress)	11	Metal Scaffolder	C327	Labourer	E401
		Metal Worker	C328	Semi-skilled Worker	
		Painter & Decorator			E402
			C329	Technician	Т
	······	Piling Operative	C330		
		Pipelayer	C331		
Visitor		Plant and Equipment Operator (Builder's Lift and Other Machinery)	C332		
(Record names of visitors and time of visit)		Plant & Equipment Operator (Earthmoving Machinery)	C333 5		1 .
(Record findles of visitors and time of visit)		Plant and Equipment Operator (Hoist and Crane)	C334		
		Plant and Equipment Operator (Piling)	C335		
		Plant and Equipment Operator (Tunnelling)	C336		
		Plasterer	C337		
		Plumber	C338	······································	
		Pneumatic Driller		· · · · · · · · · · · · · · · · · · ·	
Accidents			C339		
(Describe any occurance of accident)		Prestressing Operative	C340		
		Rigger/Metal Formwork Erector	C341		
	i	Shotcretor	C342		
		Shotfirer	C343		
		Slope Maintenance Worker	C344		
		Structural Steel Erector	C345		
Remarks		Structural Steel Welder	C346		
C Meeting #27 was held at 11:00 A.M.		Tiler	C347		
1/ E&M Co-ordination Meeting #11 was held at 15:00 hr.		Trackworker	C348		
• · · · · · · · · · · · · · · · · · · ·	·······	Truck Driver / Coxswain / Barge Engineer / Working Ganger*	A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER AND A COLOR OF THE OWNER		
			C349		
		Window Frame Installer	C350		
	Uotal 19		i		
	Assistance to Engineer No.	and a second second second second second second second second second second second second second second second			
	Amah 1				
	Coordinate Engineer 1				
	Drafting Assistant				
	Driver 2	· · · · · · ·			4 ·····
		·····			a da da da da da da da da da da da da da
	Field Assistant 3				
	Office Assistant	···· · · · · · · · · · · · · · · · · ·			
	Office Assistant 1 Watchman 1 Total 10	(To be continued)			

* Working ganger is equivalent to ordinary worker in the trade in which he is employed or, if the trade is not listed, truck driver	Signed:		S
(refer to GS Table 1.1) Day's record and instructions checked and agreed		Engineer's Representative	
	Name/Post:	Eddie Luk/Resident Engineer	

Date:

Original - ER's File

Duplicate - Contractor

Date:

1816/2012

Wong Ching Lung / Site Agent

Signed: Contra

Contractor's Representative

### Contract No.: DC/2009/22 Date: 15/06/2012 Day: Friday

ackhoe with Vibrating Hammer enerator lini Generator xy-Acetylene teel Bending Machine ibrating Hammer birating Roller /ater Pump 50mm /ater Pump 75mm	No. Working 5 4 1 2 7 4 2	No. Idle 3 1 3 3
ackhoe ackhoe with Vibrating Hammer enerator lini Generator xv-Acetylene teel Bending Machine ibrating Hammer ibrating Roller /ater Pump 50mm /ater Pump 50mm /ater Pump 75mm /elding Set	4 1 2 1 2 7 4	1 1 3
enerator lini Generator xy-Acetylene eel Bending Machine ibrating Hammer ibrating Roller /ater Pump 50mm /ater Pump 75mm /elding Set	4 1 2 1  7 4 2	3
lini Generator xy-Acetylene eel Bending Machine ibrating Hammer ibrating Roller alter Pump 50mm /ater Pump 75mm /elding Set	<u>    1    2                            </u>	3
xy-Acetylene eel Bending Machine ibrating Hammer ibrating Roller 'ater Pump 50mm 'ater Pump 75mm 'elding Set	2 1 	
eel Bending Machine ibrating Hammer ibrating Roller (ater Pump 50mm (ater Pump 75mm (elding Set	1 2 7 4 2	
ibrating Hammer ibrating Roller <u>'ater Pump S0mm</u> 'ater Pump 75mm 'elding Set	2 7 4	· · · · · · · · · · · · · · · · · · ·
ibrating Roller <u>'ater Pump 50mm</u> 'ater Pump 75mm 'elding Set	2 7 4	· · · · · · · · · · · · · · · · · · ·
/ater Pump S0mm /ater Pump 75mm /elding Set	<u>7</u> 4	· · · · · · · · · · · · · · · · · · ·
/ater Pump 75mm /elding Set	4	· · · · · · · · · · · · · · · · · · ·
/elding Set		· · · · · · ·
		· · · · · · · · ·
· ······ ····· · ····· · ····· · ····· ·	· · · ·	:
· ······ ····· · ····· · ····· · ····· ·	· · · ·	A
· ······ ····· · ····· · ····· · ····· ·		-
		<u>.</u>
		بىرى يا ئ
		\$ ···· ··
		÷
		•
	·	
		: 
e e e e e e e e e e e e e e e e e e e		••• ••••
·······		
		···· · ·
· · · · · · · · · · · · · · · · · · ·		
······································		
· · · · · ·		
	-	
		-
• • • • • • • • • • • • • • • • • • •		
···· ·································		
tal		

Signed:

IOW

Tso Sai Kuen / Inspector of Works

Date:

18/6/2012

### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour			1	Pla	nt		·····		Material De	livered
						Туре	Wo	rking	1	Idling		Description	Quantity
			Trade	Code	No.	-	No.	ID	No.	ID	Code	•	
08:00 - 18:00	Area A - DN1800 Stormwater Drain	Modification of temporary gate along hoarding next to cycle track	Labourer (male)	C406	2	Backhoe with Vibrating Hammer			1	EX48	h		
						Generator	1		1				
						Oxy-Acetylene	1	1	1				
						Welding Set	1		1				
					<u> </u>								
08:00 - 18:00	Area A - Pump Station	Cleaning up debris form transformer room Cleaning up sediments from wheel washing bay	Labourer (female)	C406	2	Backhoe			1	EX28	h		
						Steel Bending Machine			3		h		
			-			Water Pump 50mm	2						
					[	Water Pump 75mm	1						
13:00 - 18:00	Area A - Pump Station	Rebar fixing for ground floor slab (BB1~BB17) of store room	Bar Bender & Fixer	C304	1				ļ				
			Labourer (male)	C406	2			ļ					
00.00 10.00					-	-		ļ	<u> </u>				
08:00 - 12:00	Area A - Pump Station	Rendering to exterior side of parapet walls at switchroom & transformer room to correct the verticl alignement	Labourer (female)	C406	1								
			Labourer (male)	C406	2				ļ				
					[								
	Area A - Pump Station - Box Culvert	No activity as per KLKJV arrangement											
07:00 - 18:00	Ann A Ting Kala Dasd	Manual annual for Buda and a Buda Concerning Concerning to the					_ <b>_</b>	ļ	ļ				
18:00 - 20:00	Area A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation Manual control of temporary traffic light for traffic flow regulation (1 male labourer from other area)	Labourer (female)	C406	3					<u> </u>	<b>_</b>		
08:00 - 18:00	Area A - Ting Kok Road (CH110-160)	Excavating trench at footpath (Ch. 160~165) and laying HGC's cable duct Backfilling & compacting for footpath reinstatement at Ch. 125~180 Laying bituminous wearing course (temporary) for cariageway reinstatement at Ch. 145~160 Concreting for slab of footpath for reinstatement at Ch. 143~180	Labourer (male)	C406	5	Backhoe				EX29	h		
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe	1	EX45	1	1			1
						Mini Generator	1	1	1	1	1†		
						Vibrating Hammer	1	1	1	1			1
						Vibrating Roller	2						1
						Water Pump 50mm	2						
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	I						
							1			1	l l		

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	
	Engine

eer's Representative

Eddie Luk/Resident Engineer Name/Post:

Date:

١ Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

18/6/2012

Date:

Signed:

Date:

Contract No.: DC/2009/22 Date: 15/06/2012

Day: Friday

IOW

Tso Sai Kuen / Inspector of Works

18/6/2012

### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Location Activity Labour					Plant							
						Туре	Working		king Idling			Description	Quantity	
			Trade	Code	No.		No.	di	No.	ID	Code			
08:00 - 18:00	Area B - Tung Tsz Nursery (CH130-CH280	Bay 12 - Excavating for box culvert )Bay 13 - Fabricating first layer I-beam struts for shoring Cart away excavated material to temoprary stockpile area at D.D.12, Tung Tze Road (22 truckloads)	Labourer (male)	C406	4	Backhoe	1	EX08						
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Generator	1	1	1	1				
						Oxy-Acetylene	1							
						Welding Set	l							
08:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	Bay 5 - Fixing tie bolts, walings and struts for wall formwork Bay 6 - Patching up tie bolt holes at walls	Labourer (male)	C406	3	Backhoe	1	EX46						
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Generator	1	1	<u> </u>	+				
					<b> </b>	Oxy-Acetylene		1	1	1	h		-	
						Water Pump 50mm	1						1	
						Water Pump 75mm	1							
08:00 - 18:00	Area B - Tung Tsz Nursery (Jacking Pit)	Excavating for jacking pit to formation level Welding cat ladder at jacking pit	Labourer (male)	C406	1	Backhoe			1	EX25	h			
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe	1	EX36	<u> </u>	┨				
						Generator		1	1		h			
						Oxy-Acetylene			1		h			
08:00 - 17:00	Area E - Siu Lek Yuen Rd.Playground	Manhole S8 - Stripping off formwork from top slab and walls PL 1603.1 - Driving sheet piles for trench shoring Cart away excavated materials to area B (I Truckload)	Labourer (male)	C406	3	Backhoe	1	EX21						
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Generator	1			1			1	
						Oxy-Acetylene			1		h			
						Water Pump 50mm	1							
						Water Pump 75mm	2							
	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement												
Add dan	Area G - Ngan Shing St.	No activity as per KLKJV arrangement												
	Area I - Contractor Office	No activity as per KLKJV arangement												

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Engineer's Representative

Eddie Luk/Resident Engineer Name/Post: Date:

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

18/6/2012

Date:

Date:

Contract No.: DC/2009/22

Date: 15/06/2012

Day: Friday

QG IOW

Tso Sai Kuen / Inspector of Works

18/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1

Contractor: KWAN LEE - KULY JOINT VENTURE

#### Weather:

#### Typhoon / Warning Signal:

<u>AM</u> <u>PM</u> <u>Rainfall (mm)</u>

Thunderstorm Warning - 9:15~10:15, 11:45~14:45

Shower Rainy ST 70, TP 50

(Hong Kong Observatory's record)

Instructions to Contractor	Contractor's Site Staff No.	Labour	Code No.	Labour	Code No.	1 Г
(Record verbal instructions given)						
	Assistant Surveyor	Asphalter (Other Construction)	<u>C301</u>	Chainman	C401	
	Chainman 3	Asphalter (Roadworks)	C302	Concreting Labourer	C402	Ba
	Community Liaison Officer 1	Bamboo Scaffolder	C303	Diver's Linesman / Dredger Crew / Barge Crew	C403	Ba
	CEG	Bar Bender & Fixer	C304 5	Excavator	(`404	Ge
	Contract Manager 1	Bricklayer	<u>C305</u>	Heavy Load Labourer	<u>C'405</u>	_ Ox
Comments by Engineer's / Contractor's Representative	Engineer	Carpenter (Fender)	<u>C306</u>	Labourer (male : female) / Lorry checker / Watchman Office attend	lan C406 23	Ste
	Environmental Officer 1	Carpenter (Formwork)	C307	Sewerman	C407	_ Vi
	Foreman/Assistant Foreman 2	Concrete Repairer	C308	Automation Equipment Mechanic	E301	W:
	General Foreman 1	Concretor	C309	Building Services Mechanic	E302	w w
	Labour Officer 1	Construction Plant Mechanic	C310	Cable Jointer (Power)	E303	W
	Land Surveyor 1	Curtain Wall Installer	C311	Carpenter	E304	
Utilities	Project Director 1	Demolition Worker	C312	Electrician/Electrical Fitter	E305	
(Record location & nature of works)	Project Manager 2	Diver	C313	Fire Services Mechanic	E306	
(Record location & nature of works)	Project Quantity Surveyor 1	Drainlayer	C314	Instrument Mechanic	E307	11
	Quantity Surveyor	Electrician (Main Contractor's)	C315	Lift Electrician	E308	1
	Safety Officer 1	Floor Layer	C316	Lift Mechanic	E309	
	Site Agent I	Gas Plumber	(317	Mechanical Fitter	E310	
	Surveyor I	General Welder	C318 1	Overhead Linesman	E311	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Glazier	C319	Painter	E312	11
		Ground Investigation Operator/Driller/Borer	C320	Plumber and Pipe Fitter		11
			C321	Refrigeration/AC/Ventilation Mechanic	E313	
		Joiner	C322	Sheet Metal Worker	E314	
	·	Leveller	C323		E315	
		Marble Worker		Sign Fabricator	E316	
			C324	Sign Installer	E317	
Progress		Marine Construction Plant Operator	C325	Thermal Insulation Craftsman	E318	
(Mention briefly any matter delaying or obstructing progress)		Mason	C326	Welder	E319	
(orealion offerty any matter delaying of oostracting progress)		Metal Scaffolder	C327	Labourer	E401	
		Metal Worker	C328	Semi-skilled Worker	E402	
		Painter & Decorator	C329	Technician	T	
		Piling Operative	C330			
		Pipelayer	C331			
Visitor		Plant and Equipment Operator (Builder's Lift and Other Machinery)	C332			
(Record names of visitors and time of visit)		Plant & Equipment Operator (Earthmoving Machinery)	C333 5			
(Accord numes of Assors and ante of Ast)		Plant and Equipment Operator (Hoist and Crane)	C334			
	· · · · · · · · · · · · · · · · · · ·	Plant and Equipment Operator (Piling)	C335			
		Plant and Equipment Operator (Tunnelling)	C336			
		Plasterer	C337			
	No.	Plumber	C338			
Accidents		Pneumatic Driller	C339	·····		
(Describe any occurance of accident)		Prestressing Operative	C340			
(December and versitable of actively)		Rigger/Metal Fornwork Erector	C341			11
		Shotcretor	C342		:	
		Shotfirer	C343	······ · · · · · · · · · · · · · · · ·		
		Slope Maintenance Worker	C344		·····	
		Structural Steel Erector	C345	· · · · · · · · · · · · · · · · · · ·		
Remarks		Structural Steel Weider	C346			
		Tiler	C347	· · · · · · · · · · · · · · · · · · ·		
	· · · · · · · · · · · · · · · · · · ·	Trackworker	C348			
	· · · · · · · · · · · · · · · · · · ·	Truck Driver Coxswain Barge Engineer Working Ganger*				
			C349	····· ··· ··· ··· ····················		
	Total 19	Window Frame Installer	C350			<b>i</b>
	<u>19</u>				- 1 L	
	Assistance to Engineer No.					
	Amah				-	
	Coordinate Engineer 1				:	
	Drafting Assistant 1					
	Driver 2					
	Field Assistant 3	·	2			
	Office Assistant 1					11
	Watchunan 1					
	Total 10	(To be continued)		Total Labour	34	Tot
				No. A. ALL COMMUNICATION OF COMMUNICATIONO OF COMMUNICATION OF COMMUNICATION OF COMMUNICATION OF COMMUNICATION OF COMMUNICATION OF COMMUNICATION OF COMMUNICATION OF COMMUNICATION OF COMMUNICATION OF COMMUNICATION OF COMMUNICATION OF COMMUNICATION OF COMMUNICATION OF COMMUNICATION OF COMMUNICATION OF COMMUNICATION OF COMMUNICATION OF COMMUNICATION OF COMMUNICATION OF COMMUNICATION OF COMUNICATION OF COMUNICATION OF COMUNICATION OF COMUNICATIONO OF COMUNICATIONO OF COMUNICATIONO OF COMUNICATICATICATICATICATICATICATICATIONO OF COMUNICATIONO OF COM	<u> </u>	122

* Working ganger is equivalent to ordinary worker in the trade in which he is employed or, if the trade is not listed, truck driver (refer to GS Table 3.1)	Sig
Day's record and instructions checked and agreed	

Signed:

Date:

Engineer's Representative

Name/Post: Eddie Luk/Resident Engineer

Signed:

Contractor's Representative

Wong Ching Lung / Site Agent

Original - ER's File

Duplicate - Contractor

Date:

1816/2012

### Contract No.: DC/2009/22 Date: 16/06/2012 Day: Saturday

Plant		
Туре	No. Working	
ickhoe ickhoe with Vibrating Hammer	5	
ickhoe with Vibrating Hammer enerator		1
cy-Acetylene	3	3
eel Bending Machine	-	3
brating Prob	2	
ater Pump 50mm ater Pump 75mm		
elding Set	1	
		÷
		i
······		
	·····	• • • •
	· · · · · · · · · · · · · · · · · · ·	
·····		[
	· .	
·····		
: 		
· · · · · · · · · · · · · · · · · · ·		
tal	23	12
U15	Ars1	

Signed:

IOW

Tso Sai Kuen / Inspector of Works

Date:

18/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time Location Activity Labour Plant Working Type Trade Code No. No No. ID Area A - DN1800 No activity as per KLKJV arrangement Backhoe with Vibrating 1 Stormwater Drain Hammer Generator 08:00 - 18:00 Area A - Pump Station Rebar fixing for ground floor slab between BBI~BB17 Bar Bender & Fixer C304 5 Backhoe Jeneral housekeeping Labourer (female) C406 2 Steel Bending Machine 3 Water Pump 50mm 2 Water Pump 75mm 1 Area A - Pump Station -No activity as per KLKJV arrangement Box Culvert 07:00 - 18:00 Area A - Ting Kok Road Manual control of "stop/go" sign for traffic flow regulation (3 F/Lab.) C406 Labourer (female) 3 18:00 - 20:00 Manual control of temporary traffic light for traffic flow regulation (1 F/Lab.) 08:00 - 18:00 Area A - Ting Kok Road Clearing up carriageway and footpath prior to shift TTA C406 Labourer (male) Backhoe 6 CH110-160) Plant & Equipment Operator (Earthmoving Machinery) C333 Backhoe 1 EX45 1 2 Water Pump 50mm Area A - Ting Kok Road No activity as per KLKJV arrangement Water Pump 50mm 1 (Intake Structure) 08:00 - 18:00 Area B - Tung Tsz Bay 12 - Excavating for box culvert General Welder C318 EX08 Backhoe 1 Nursery (CH130-CH280) Bay 13 - Fabricating first layer I-beam struts for shoring Cart away excavated material to temporary stockpile area at D.D.12, Tung Tze Road (5 truckloads) C406 Labourer (male) 3 Generator 1 Plant & Equipment Operator (Earthmoving Machinery) C333 I Oxy-Acetylene 1 Welding Set 1 Bay 5 - Concreting for walls and top slab (Total : 77cu.M) 08:00 - 18:00 Area B - Tung Tsz C406 Labourer (male) EX46 6 Backhoe 1 Nursery (CH40-CH130) Plant & Equipment Operator (Earthmoving Machinery) C333 1 Generator ŀ Oxy-Acetylene Vibrating Prob 2 Water Pump 50mm 1 Water Pump 75mm ł

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	

Name/Post:

Date:

Engineer's Representative

Eddie Luk/Resident Engineer

Signed:

Contractor's Representative

1816/2012

Signed:

Date:

Wong Ching Lung / Site Agent

Date:

Contract No.: DC/2009/22 Date: 16/06/2012

Day: Saturday

			Material Deli	vered
Idling			Description	Quantity
0.	ID	Code	1	
	EX48	h		
		h		
	EX28	h		
		h		
	EX29	h		
		h		
_				
			L	L

IOW

Tso Sai Kuen / Inspector of Works

18/6/2012

### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble Disassemble e Bad Weather f Task ('ompleted g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Pla		Material Delivered						
						Туре	Working		rking		Idling		I	Description	Quantity
			Trade	Code	No.	1	No.	ID	No.	ID	Code				
08:00 - 18:00	Area B - Tung Tsz Nursery (Jacking Pit)	Excavating for jacking pit to formation level Fabricating cat ladder at jacking pit	Labourer (male)	C406	1	Backhoe			1	EX25	h		1		
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe	1	EX36	1	1	1 1		1		
	····					Generator		1	1		h		1		
						Oxy-Acetylene			1		h				
08:00 - 17:00	Area E - Siu Lek Yuen Rd.Playground	PL 1603.1 - Trench excavation and fabricating 1st layer of walings and structs for shoring at Ch. 0~5	Labourer (male)	C406	2	Backhoe	1	EX21							
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Generator	1		1	1					
						Oxy-Acetylene			l		h				
						Water Pump 50mm	1								
ļ			-			Water Pump 75mm	2								
	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement													
							1			1	1		1		
	Area G - Ngan Shing St.	No activity as per KLKJV arrangement						1	1						
										1			1		
	Area I - Contractor Office	No activity as per KLKJV arrangement													

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	
	Engineer's Representative
Name/Post:	Eddie Luk/Resident Engineer
Date:	

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent 18/6/2012

Date:

Contract No.: DC/2009/22 Date: 16/06/2012

Day: Saturday

6 IOW

Tso Sai Kuen / Inspector of Works

18/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1 Contractor: KWAN LEE - KULY JOINT VENTURE

Weather:

Rainy

#### Typhoon / Warning Signal:

T1 - 16:20~24:00

AM

<u>Rainfall (mm)</u>

ST20, TP 20

(Hong Kong Observatory's record)

<u>PM</u>

Cloudy

Instructions to Contractor	Contractor's Site Staff No.	Labour	Code No.	Labour	Code	No.
(Record verbal instructions given)						
		Asphalter (Other Construction)	C301	Chainman	C401	
	· · · ·	Asphaiter (Roadworks)	C302	Concreting Labourer	C402	:]
		Bamboo Scaffolder	C303	Diver's Linesman / Dredger Crew / Barge Crew	C403	
		Bar Bender & Fixer	C304	Excavator	C404	i
	: 	Bricklaver	C305	Heavy Load Labourer	C405	
Comments by Engineer's / Contractor's Representative		Carpenter (Fender)	C306	Labourer (male / female) / Lony checker / Watchman Office attendar	n C406	5
		Carpenter (Formwork)	C307	Sewennan	C407	
		Concrete Repairer	C308	Automation Equipment Mechanic	E301	1
		Concretor	C309	Building Services Mechanic	E302	
		Construction Plant Mechanic	C310	Cable Jointer (Power)	E303	
		Curtain Wall Installer	C311	Carpenter	E304	
Utilities	<u> </u>	Demolition Worker	C312	Electrician/Electrical Fitter	E305	
(Record location & nature of works)		Diver	C313	Fire Services Mechanic	E306	
(Record location & nature of works)		Drainlayer	C314	Instrument Mechanic	E307	
		Electrician (Main Contractor's)	C315	Lift Electrician	E308	
		Floor Layer	C316	Lift Mechanic	E309	:
		Gas Plumber	C317	Mechanical Fitter	E310	
		General Welder	C318 2	Overhead Linesman	E311	: I
		Glazier	C319	Painter	E312	
		Ground Investigation Operator/Driller/Borer	C'320	Plumber and Pipe Fitter	E313	
		Grouting Worker	C321	Refrigeration/AC/Ventilation Mechanic	E314	.
		Joiner	C322	Sheet Metal Worker	E315	
		Leveller	C323	Sign Fabricator	E316	
	:	Marble Worker	C324	Sign Installer	E317	-
		Marine Construction Plant Operator	C325	Thermal Insulation Craftsman	E318	
Progress	······································	Mason	C326	Welder	E319	
(Mention briefly any matter delaying or obstructing progress)		Metal Scaffolder	C327	Labourer	E401	.
		Metal Worker	C328	Semi-skilled Worker	E401	
		Painter & Decorator	C329	Technician	T	
		Piling Operative	C330			
		Pipelayer	C331	······		· · · · · · ·
		Plant and Equipment Operator (Builder's Lift and Other Machinery)	C332		-	
Visitor	:	Plant & Equipment Operator (Earthmoving Machinery)	C333			
(Record names of visitors and time of visit)		Plant and Equipment Operator (Hoist and Crane)	C334	······	-	. 1
		Plant and Equipment Operator (Piling)	C335			
		Plant and Equipment Operator (Tunnelling)	C336			
		Plasterer	C337			· · · ·
		Plumber	C338			
Accidents		Pneumatic Driller	C339			··
(Describe any occurance of accident)		Prestressing Operative	C340	· · · · · · · · · · · · · · · · · · ·	-	
(IDescribe any occur ance of accident)		Rigger/Metal Formwork Erector	C341			
	· ·	Shotcretor	C342		······································	
		Shotfirer	C343			· · · · · ·
		Slope Maintenance Worker	C344			
		Structural Steel Erector	C345			· •
Remarks		Structural Steel Welder	C346			
		Tiler	C347		· • • • • • • • •	
		Trackworker	C348			
		Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C349	· · · · · · · · · · · · · · · · · · ·	1	
		Window Frame Installer	C350			
	Total					
				···· · ··· · · · · · · · · · · · · · ·		
	Assistance to Engineer No.					
	Driver 1					
	Watchman 1	······································	····	· · · · · · · · · · · · · · · · · · ·	÷	
					<del></del>	
		·····			÷	
	·····	· · · · · · · · · · · · · · · · · · ·		······································		
					<u>.</u>	
	Total ?	(To be continued)			ita da	
	Total 2	(To be continued)	البيب في السني	Total Labour	. <u></u>	

\* Working ganger is equivalent to ordinary worker in the trade in which he is employed or, if the trade is not listed, truck driver (refer to GS Table 1.1)

Day's record and instructions checked and agreed

Signed:

Engineer's Representative

Name/Post: Eddie Luk / Resident Engineer

Date:

Original - ER's File Duplicate - Contractor Date:

Signed:

18/6/2012

Contractor's Representative

Wong Ching Lung / Site Agent

### Contract No.: DC/2009/22 Date: 17/06/2012

Day: Sunday

Plant		
Туре	No. Working	No. Idle
Backhoe Backhoe with Vibrating Hammer		8
Generator Oxy-Acetylene	2	2
Steel Bending Machine	· · · · · · · · · · · · · · · · · · ·	3
Water Pump 50mm	; 7	
	2	
Welding Set	2	2 P. 1
····	· · · · · · · · · · · · · · · · · · ·	;
••• •••		: : :
		#************************************
·		
		•
·······		÷
	····· ·· ·	
	-	
		• ··· · : • ··· · · · · · · · · ·
		· · · · · · · · · · · · · · · · · · ·
		<u> </u>
···· ··· ··		
······		
		ł
·····		
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
Total	15	14

Signed:

IOW

Tso Sai Kuen / Inspector of Works

Date:

18/6/2012

Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Pla	nt			ſ	Material De	livered
						Туре	Wo	rking		Idling		Description	Quantity
			Trade	Code	No.		No.	ID	No.	ID	Code		
	Area A - DN1800 Stormwater Drain	No activity as per KLKJV arrangement				Backhoe with Vibrating			1	EX48	i		
	Stormwater Drain					Hammer		<b>.</b>					
	Area A - Pump Station	No activity as per KLKJV arrangement			<u> </u>	Backhoe		+	<del>  , .</del>	EX28			
						Steel Bending Machine		+	3	EA20	3		
					<b> </b>	Water Pump 50mm	2		<u> </u>	1	· · · · · ·		
						Water Pump 75mm		<u> </u>	+				
						1		+		1			
	Area A - Pump Station - box Culvert	No activity as per KLKJV arrangement								1		***************************************	
······································	box curven												
07:00 - 18:00	Area A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation (3 F/Lab.)	Labourer (female)	C406	3	Backhoe		<u> </u>	1 1	EX29			
18:00 - 20:00	(CH120-160)	Manual control of temporary traffic light for traffic flow regulation (1 M/Lab. from Area I)		0.00		Buckhot				1.7.27	ť.		
						Backhoe			1	EX45	i		
						Water Pump 50mm	2						
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1						
								<u> </u>					
08:00 - 18:00	Area B - Tung Tsz Nursery (CH130-CH280)	Bay 12 - Fabricating top layer I-beams walings and struts for shoring	General Welder	C318	1	Backhoe			1	EX08	i		
			Labourer (male)	C406	1	Generator	1		1	1			
						Oxy-Acetylene	1	1					
						Welding Set	1						
	Area B - Tung Tsz Nursery (CH40-CH130)	No activity as per KLKJV arrangement				Backhoe			I	EX46	i		
						Generator			I		i		
						Water Pump 50mm	1		1	[			1
						Water Pump 75mm	1						
08:00 - 18:00	Area B - Tung Tsz Nursery (Jacking Pit)	Fabricating temporary fencing on top of sheetpile shoring	General Welder	C318		Backhoe			1	EX25			
	1					Backhoe			1	EX36	i		
						Generator	ŀ						
						Oxy-Acetylene	1						
						Water Pump 50mm	1						
	ļ					Welding Set	]						
	<u> </u>							1					

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

#### Signed:

Engineer's Representative

Signed:

Contractor's Representative

Signed:

Eddie Luk / Resident Engineer Name/Post:

Date:

Wong Ching Lung / Site Agent 18/6/2012

Date:

Date:

Day: Sunday

SE É IOW

Tso Sai Kuen / Inspector of Works

18/6/2012

### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task ('ompleted g No Operator h Not Required í Sunday/Public Holiday

Time	Location	Location Activity	Labour	Labour			Pla	nt				Material De	livered
						Туре	Wo	rking		Idling		Description	Quantity
			Trade	Code	No.		No.	ID	No.	ID	Code		
	Area E - Siu Lek Yuen Rd.Playground	No activity as per KLKJV arrangement			T	Backhoe			1	EX21	i		
						Generator			ŀ		i	······································	
	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement											
	Area G - Ngan Shing St.	No activity as per KLKJV arrangement	······································										
08:00 -18:00	Area I - Contractor Office	Office cleaning and site patrol	Labourer (male)	C406									

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:

Engineer's Representative

Signed:

Contractor's Representative

Signed:

luitre

Name/Post: Eddie Luk/Resident Engineer

Date:

Date:

Wong Ching Lung / Site Agent

Date:

18/6/2012

Contract No.: DC/2009/22

Date: 17/06/2012

Day: Sunday

IOW

Tso Sai Kuen / Inspector of Works

18/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1 Contractor: KWAN LEE - KULY JOINT VENTURE

Weather: Typhoon / Warning Signal: <u>AM</u> <u>PM</u> TI - 00:00~22:40 Rainfall (mm) T3 - 22:40~24:00 Cloudy Shower ST 10, TP 30

(Hong Kong Observatory's record)

Instructions to Contractor         Contractor         Status         Labour         Cost         No.           Addated         Contractor         Status         Contractor         Status         Contractor         Cont	Code C401 C402 C403 C404 C405 itendan C406 C407 E301 E302 E303 E304 E305 E306 E307 E308 E308 E309 E310 E311 E312 E313 E314 E315 E316 E317 E319 E319 E319	No.
Absiltant Surveyor         Absiltant Collect Construction)         C.01         Chaiman           Community Linison Officer         1         Bambo Scaffidder         C133         2         Contraction)         C14           Community Linison Officer         1         Barbo Scaffidder         C135         2         Contraction Linison         Divers Linearan         Divers	C402 C403 C404 C405 itendan C406 E301 E302 E303 E304 E305 E306 E305 E306 E307 E308 E309 E310 E311 E312 E313 E314 E315 E317 E318 E319	26
Chainman       3       Applalter (Roadworks)       C.020       Concentry Labourer         Commits Lainon Officer       1       Bar Bender & Fixer       C.030       2         Commits Lainon Officer       1       Bar Bender & Fixer       C.030       2         Commits Lainon Officer       1       Bar Bender & Fixer       C.030       2         Contract Manager       1       Bricklaver       C.030       1       Scovernan         Concreter Repair       C.030       C.030       1       Scovernan       Concreter Repairer         Concreter Repairer       C.030       C.030       1       Scovernan       Concreter Repairer       C.030       Haumaton Equipment Mechanic         Labour Officer       1       Concreter Repairer       C.030       Labour Officer       Concreter Repairer       C.030       Labour Concreter       C.030       Labour Officer       Concreter Repairer       C.030       Labour Concreter       C.030       Labour Concreter       C.030       Labour Officer       Concreter       Concreter       C.030       Labour Concreter       C.030       Labour Concreter       C.030       Labour Concreter       C.030       Labour Concreter       C.030       Labour Concreter       C.030       Labour Concreter       C.030       Labour Concret	C402 C403 C404 C405 itendan C406 E301 E302 E303 E304 E305 E306 E305 E306 E307 E308 E309 E310 E311 E312 E313 E314 E315 E317 E318 E319	
Community Listion Officer         I         Bankoo Senfolder         Cio         Cio         Direct Linescans Dredger Crew / Bange Crew           Contract Manager         I         Bankoo Senfolder         Cio         Cio         Fiser         Fiser         Cio         Fiser         Cio         Fiser         Cio         Fiser         Cio         Fiser         Cio         Fiser         Fiser </th <th>C403 C404 C405 dtendan C406 E301 E302 E303 E304 E305 E306 E307 E308 E309 E310 E311 E311 E312 E313 E314 E315 E316 E317 E318 E319</th> <th></th>	C403 C404 C405 dtendan C406 E301 E302 E303 E304 E305 E306 E307 E308 E309 E310 E311 E311 E312 E313 E314 E315 E316 E317 E318 E319	
CEG         1         Bur Pender & Frier         Contract Manager         1         Bur Pender & Frier         Cost         Flavy Lood Labourg           Comments by Engineer's / Contractor's Representative         Engineer         Comments	C404 C405 (tendan C406 C407 E301 E302 E303 E304 E305 E306 E307 E308 E309 E310 E311 E312 E313 E314 E315 E316 E317 E318 E319	26
Consents by Engineer's / Contractor's Representative         Contract Manager         1         Bricklever         Control (Fender)         Control (Fender)           Consents by Engineer's / Contractor's Representative         Encideer         Carpenter (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)         Control (Fender)	C405           ttendan         C407           E301         E301           E302         E303           E304         E305           E306         E307           E307         E308           E309         E310           E312         E313           E313         E314           E315         E316           E317         E318           E319         E319	
Comments by Engineer's / Contractor's Representative         Engineer         Camenter (Fender)         C306         Easter (male female)         Easter (	ttendan C406 C407 E301 E302 E303 E303 E304 E305 E306 E307 E308 E309 E310 E311 E312 E313 E314 E314 E315 E316 E317 E318 E319	
Environmental Officer     1     Severantal     Severantal       Littigier     Concrets Penairer     C300     C301     Exercise       Utilitier     Concrets Penairer     C300     C301     Exercise       Concrets Penairer     C301     C301     C301     C301       Concrets Penairer     C301     C301     C301     C301       Concrets Penairer     C301     Capenter     C301     Exercise       Concrets Penairer     C301     Exercise     Capenter       Oried Director     1     Demolition Worker     C312     Exercise       Proied Anitage     2     Diver     C312     Exercise       Utilitier     Proied Anitage     2     Diver     C312     Exercise       Visitor     1     Brainlayer     C314     Insprend McShain       Quantity Surveyor     1     Garent     Garent     1     Garent       Site Agent     1     Garent     Garent     C312     Exercise       Ground Investigation Openator/Driller/Borer     C320     Plumber     C312     Exercise       Ground Investigation Openator     C322     Stem Heal Worker     C322     Stem Heal Worker       (Mention briefly any matter delaving or obstructing progress)     Matole Worker     C323 </th <th>C407 E301 E302 E303 E304 E305 E305 E306 E307 E308 E309 E310 E311 E312 E313 E314 E315 E314 E315 E317 E318 E319</th> <th></th>	C407 E301 E302 E303 E304 E305 E305 E306 E307 E308 E309 E310 E311 E312 E313 E314 E315 E314 E315 E317 E318 E319	
Foreman/Assistant Foreman     2     Concrete Repairer     C.008     Automation Equipment Acchanic       Labour Officer     1     Construction Plant Mechanic     C300     Cabbe Pointer       Utilities     Project Minaser     2     Construction Plant Mechanic     C301     Cabbe Pointer       Main Surveyor     1     Denolition Worker     C311     Experiment Mechanic     Cabbe Pointer       Project Minaser     2     Diver.     C313     Experiment Mechanic     Experiment Mechanic       Main Contractory     1     Diver.     C314     Experiment Mechanic     Experiment Mechanic       Main Contractory     1     Diver.     C314     Experiment Mechanic     Experiment Mechanic       Main Contractory     C315     Lift Exerction     Experiment Mechanic     Experiment Mechanic       Safety Officer     1     Diver.     C316     Lift Exerction       Surveyor     1     Safety Officer     C314     Heatmann Mechanic       Surveyor     1     Safety Officer     C314     Pointer       Surveyor     1     Safety Officer     C314     Heatmann       Surveyor     1     Safety Officer     C314     Pointer       Surveyor     1     Safety Officer     C314     Pointer       Surveyor <th>E301 E302 E303 E304 E305 E305 E306 E307 E308 E309 E310 E311 E312 E313 E314 E315 E314 E315 E317 E317 E318 E319</th> <th></th>	E301 E302 E303 E304 E305 E305 E306 E307 E308 E309 E310 E311 E312 E313 E314 E315 E314 E315 E317 E317 E318 E319	
General Foreman       1       Concretor	E302 E303 E304 E305 E306 E307 E308 E309 E310 E311 E312 E313 E314 E315 E317 E318 E319	
Labour Officer         1         Construction Plant Mechanic         C 30         Cable Jointer (Power)           Indad Surveyor         1         Demolition Worker         C 311         Capterier         Capterier           Index Installer         Construction Plant Mechanic         C 311         Capterier         Capterier           Index Installer         Construction Plant Mechanic         C 311         Capterier         Capterier           Index Installer         Construction Plant Mechanic         C 312         Capterier         Capterier           Index Installer         Construction Plant Mechanic         C 312         Capterier         Capterier           Installer         Construction Plant Mechanic         C 313         Construction Plant Mechanic         Capterier           Installer         Construction Plant Mechanic         C 313         Lift Electrician Main Contractor/s)         C 314         Lift Electrician Mechanic           Safety Officer         I         Gase Planter         C 316         U fift Electrician Mechanic         Safety Officer           Surveyor         I         General Wecker         C 322         Sime Meal Unseran         Painter           Grading Worker         C 322         Sime Meal Unseran         C 324         Sime Meal Unseran         Sime Meal Unseran	E303 E304 E305 E306 E307 E308 E309 E310 E311 E312 E313 E314 E315 E314 E315 E317 E317 E318 E319	
Land Surveyor       1       Curtain Wall Installer       C311       Carpenter         Utilities       Project Director       1       Development Carpenter       C312       Electrician/Electrical Filter         (Record location & nature of works)       Project Director       1       Director       C11       Electrician/Electrical Filter         Direct       Project Director       1       Duratity Surveyor       C11       Electrician (Main Contractor's)       C314       Electrician (Main Contractor's)       C315       Lift Electrician	E304 E305 E306 E307 E308 E309 E310 E311 E312 E313 E314 E314 E315 E316 E317 E318 E319	
Utilities         Project Director         1         Demolition Worker         C 312         Electrician/Electrical Fitter           (Record location & nature of works)         Project Manager         2         Diver         C 313         Electrician/Electrical Fitter           (Record location & nature of works)         Project Manager         2         Diver         C 314         Entimest Mechanic           Using the second s	E305 E306 E307 E308 E309 E310 E311 E312 E313 E314 E314 E315 E314 E315 E316 E317 E318 E319	
Utilities       Project Manager       2       Diver       Cities       Fug Services Mechanic         (Record location & nature of works)       Project Quantity Surveyor       Data       Cities	E306 E307 E308 E309 E310 E311 E312 E313 E314 E314 E315 E314 E315 E317 E317 E318 E319	
Project Manager       2       Diver       C313       Free Structions de nature of works)         Project Manager       2       Diver       C314       Ins Structions de nature of works)         Quantity Surveyor       1       Divinity Surveyor       C316       Lift Electrician         Safety Officer       1       Sofety Officer       1       Bit Agent       C316       Lift Electrician         Surveyor       1       Gas Plumber       C316       Lift Electrician       Mediancian Fitter         Surveyor       1       Gas Plumber       C318       Instantant       Pointer         Gas Plumber       C318       Interment       Pointer       C320       Project Hitter         Groung Worker       C322       Sign Instantant       Pointer       Pointer       Pointer         Marble Worker       C323       Sign Instantaler,       Pointer       Sign Instaler,         Marble Worker       C325       Meetal Worker       C325       Meetal Worker         Marble Worker       C326       Meetal Worker       C326       Meetal Worker         Marble Worker       C326       Meetal Worker       C326       Meetal Worker         Marble Worker       C326       Meetal Castroider       C327	E306 E307 E308 E309 E310 E311 E312 E313 E314 E314 E315 E314 E315 E317 E317 E318 E319	
Project Quantity Surveyor       1       Danilayer       C314       Instrument Mechanic         Quantity Surveyor       1       Electrician (Main Contractor's)       C316       Lift Electrician         Safety Officer       1       Gas Plumber       C316       Lift Electrician         Surveyor       1       Gas Plumber       C316       Lift Electrician         Surveyor       1       Gas Plumber       C317       Mechanica Filter         Surveyor       1       Gas Plumber       C318       Overhead Linesman         Glazier       Canual Investigation Operator Driller/Borer       C320       Plumber and Pipe Filter         Ground Investigation Operator Driller/Borer       C322       Shert Metal Worker       C322         Leveller       C324       Sign Installer       Perimeal Insulation Mechanic         Marine Construction Plant Operator       C325       Thermal Insulation Crafteman         Metal Scafiolder       C327       Labourer       Salourer         Metal Scafiolder	E307 E308 E309 E310 E311 E312 E313 E314 E315 E314 E315 E317 E317 E318 E319	
Quantity Surveyor       Electrician (Main Contractor's)       C315       Lift Electrician         Sa Flymber       1       Floor Layer       C316       Lift Electrician         Site Agent       1       General Welder       C317       Mechanical Filter         Surveyor       1       General Welder       C318       1       Overhead Linesman         Surveyor       1       General Welder       C318       1       Overhead Linesman         Ground Investigation Operator/Driller/Borer       C320       Plumber and Pipe Filter       Plumber and Pipe Filter         Ground Investigation Operator/Driller/Borer       C322       Sheet Metal Worker       Sime Pabricator         Leveller       C323       Sime Pabricator       Sime Pabricator       Sime Pabricator         Marine Construction Plant Operator       C324       Sign Installer       Thermal Insulation Craftsman         Marine Construction plant Operator       C326       Weider       Labourer         Marine Construction Plant Operator       C329       Technician       Technician         Metal Scaffolder       C331       Plant and Equipment Operator (Builder's Lift and Other Machaery)       C333       Plant and Equipment Operator (Builder's Lift and Other Machaery)       C333       Plant and Equipment Operator (Planton)       C334 <t< td=""><td>E308 E309 E310 E311 E312 E313 E314 E315 E314 E315 E317 E318 E319</td><td></td></t<>	E308 E309 E310 E311 E312 E313 E314 E315 E314 E315 E317 E318 E319	
Safety Officer     1     Floor Layer     C316     Lift Mechanic       Site Agent     1     Cas Plumber     C317     Mechanic Fitter       Site Agent     1     General Welder     C318     L       Surveyor     I     General Welder     C319     Painter       Glazier     C319     Pumber and Pipe Fitter       Ground Investigation Operator Driller/Borer     C320     Plumber and Pipe Fitter       Ground Investigation Operator Driller/Borer     C322     Sheet Meda Worker       Joiner     C322     Sheet Meda Worker     Sheet Meda Worker       Marbie Worker     C323     Sign Installer     Thermal Insulation Craftsman       Marbie Worker     C326     Welder     Head Scaffolder       Marbie Worker     C327     Labourer     Seen-skilled Worker       Metal Scaffolder     C327     Labourer     Labourer       Metal Scaffolder     C328     Semi-skilled Worker     C328       Painter & Decorator     C329     Technician     Technician       Pling Operative     C330     Pling Operator (Builder's Lift and Other Machnery)     C333       Metal scaffolder     C333     Pling Operator (Builder's Lift and Other Machnery)     C333       Metal and Equipment Operator (Builder's Lift and Other Machnery)     C333     Plant and Equi	E309 E310 E311 E312 E313 E314 E315 E316 E317 E318 E319	
Site Agent       1       Gas Plumber       C317       Mechanical Filter         Surveyor       1       General Welder       C318       1       Overhead Linesman         Glazier       C310       Plumber and Pipe Filter       Overhead Linesman       Overhead Linesman         Ground Investigation Operator/Driller/Borer       C320       Plumber and Pipe Filter       Plumber and Pipe Filter         Ground Investigation Operator/Driller/Borer       C321       Refigeration AC/Vertilation Mechanic       Plumber and Pipe Filter         Joiner       C323       Sim Pabricator.       Sim Pabricator.       Sim Pabricator.         Warine Constructing Plant Operator       C325       Internal Insulation Craftsman         Marine Construction plant Operator       C326       Welder       Laber         Marine Constructing progress)       Matine Construction Plant Operator       C326       Welder         Visitor       Matine Construction progress)       Metal Worker       C326       Velder         Visitor       Plant and Equipment Operator (Builder's Lift and Other Machinery)       C331       Plant and Equipment Operator (Builder's Lift and Other Machinery)       C335         Visitor       Plant and Equipment Operator (Builder's Lift and Chane)       C335       Plant and Equipment Operator (Flingh)       C335 <t< th=""><th>E310 E311 E312 E313 E314 E315 E316 E317 E318 E319</th><th></th></t<>	E310 E311 E312 E313 E314 E315 E316 E317 E318 E319	
Surveyor     I     General Welder     C318     1     Overhead Linesman       Glazier     C319     Pianter       Ground Investigation Operator Driller/Borer     C320     Plumber and Pipe Fitter       Ground Investigation Operator/Driller/Borer     C321     Refrigeration/AC/Ventilation Mechanic       Joiner     C322     Sime Pabricator       Joiner     C323     Sime Pabricator       Leveller     C324     Sign Installer       Marine Construction Plant Operator     C325     Thermal Insulation Craftsman       Welder     C326     Welder       Marine Construction Plant Operator     C325     Semi-skilled Worker       Marine Construction Plant Operator     C326     Welder       Marine Construction Plant Operator     C326     Welder       Metal Scaffolder     C327     Labourer       Piling Operative     C330     Pipelayer       Pling Operative     C331     Pipelayer       Plant & Equipment Operator (Builder's Lift and Other Machinery)     C333     7       Plant & Equipment Operator (Builder's Lift and Other Machinery)     C333     7       Plant and Equipment Operator (Pling)     C335     Plant and Equipment Operator (Pling)     C336	E311 E312 E313 E314 E314 E315 E316 E317 E318 E319	
Glazier       Cilazier       Caly       Painter         Ground Investigation Operator Driller/Borer       C320       Refrigeration //C.V.entilation Mechanic         Joiner       C322       Sheet Metal Worker         Loweller       C324       Sign Installer         Marine Construction Plant Operator       C325       Thermal Insulation Craftsman         (Mention briefly any matter delaving or obstructing progress)       Metal Scaffolder       C327       Labourer         Weiler       C330       Pielaver       C330       Pielaver         Pielaver       C330       Pielaver       C331       Februarian         (Mention briefly any matter delaving or obstructing progress)       Metal Scaffolder       C327       Labourer         Visitor       Pielaver       C330       Pielaver       C331       Pielaver         Pielaver       Piant and Equipment Operator (Builder's Lift and Other Machnery)       C333       7         Plant and Equipment Operator (Builder's Lift and Chane)       C334       1         Plant and Equipment Operator (Piling)       C335       Plant and Equipment Operator (Piling)       C336	E312 E313 E314 E314 E315 E316 E317 E318 E319	
Ground Investigation Operator/Driller/Borer     C320     Plumber and Pipe Fitter       Grouting Worker     C321     Refrigeration/AC/Ventilation Mechanic       Joiner     C322     Sheet Metal Worker       Leveller     C323     Simn Pabricator       Marine Construction Plant Operator     C324     Sign Installer       Marine Construction Plant Operator     C326     Welder       Marine Construction Plant Operator     C326     Welder       Marine Construction Plant Operator     C326     Welder       Metal Scaffolder     C327     Labourer       Metal Scaffolder     C329     Technician       Piling Operative     C330     Piling Operator (Builder's Lift and Other Machinery)     C333       Visitor     Plant and Equipment Operator (Builder's Lift and Other Machinery)     C333     7       Plant and Equipment Operator (Point of Carler)     C334     1       Plant and Equipment Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Operator (Plant Opera	E313 E314 E315 E315 E316 E317 E318 E319	
Grouting Worker     C321     Refrigeration/AC/Ventilation Mechanic       Joiner     C322     Sheet Metal Worker       Leveller     Cast     Sign Installer       Marine Construction Plant Operator     C324     Sign Installer       Marine Construction Plant Operator     C325     Thermal Insulation Craftsman       Mason     C326     Welder       Metal Scaffolder     C327     Labourer       Painter & Decorator     C328     Semi-skilled Worker       Painter & Decorator     C330     Technician       Plinter & Decorator     C330     Technician       Plant and Equipment Operator (Builder's Liñ and Other Machinery)     C333     7       Plant and Equipment Operator (Point)     C335     Plant and Equipment Operator (Plinte)       Plant and Equipment Operator (Plinte)     C335     Plant and Equipment Operator (Plinte)       Plant and Equipment Operator (Printe)     C335     Plant and Equipment Operator (Plinte)	E314 E315 E316 E317 E318 E319	
loiner       C322       Sheet Metal Worker         Leveller       C323       Sim Fabricator         Marble Worker       C324       Sign Installer         Marble Worker       C324       Sign Installer         Marble Worker       C325       Thermal Insulation Craftsman         Masson       C326       Welder         Metal Worker       C327       Labourer         Metal Worker       C328       Semi-skilled Worker         Metal Worker       C329       Technician         Painter & Decorator       C329       Technician         Plant ad Equipment Operator (Builder's Lift and Other Machinery)       C333       7         Plant and Equipment Operator (Hoist and Crane)       C334       1         Plant and Equipment Operator (Plinng)       C335       Plant and Equipment Operator (Plinng)         Plant and Equipment Operator (Plinng)       C336       Plant and Equipment Operator (Plinng)	E315 E316 E317 E318 E319	
Leveller       C323       Sign Fabricator         Marble Worker       C324       Sign Installer         Marbine Construction Plant Operator       C325       Thermal Insulation Craftsman         Mason       C326       Welder         Metal Scaffolder       C327       Labourer         Metal Scaffolder       C328       Semi-skilled Worker         Painter & Decorator       C329       Technician         Pling Operative       C330       Piling Operator (Builder's Lift and Other Machinery)       C332         Visitor       Plant and Equipment Operator (Builder's Lift and Other Machinery)       C333       7         Plant and Equipment Operator (Hord stand Crane)       C334       1         Plant and Equipment Operator (Hord stand Crane)       C334       1         Plant and Equipment Operator (Tunnelling)       C336       Plant and Equipment Operator (Tunnelling)	E316 E317 E318 E319	
Marble Worker       C324       Sign Installer         Marble Worker       C325       Thermal Insulation Craftsman         Mason       C326       Welder         Mason       C327       Labourer         Metal Scaffolder       C328       Semi-skilled Worker         Painter & Decorator       C329       Technician         Piling Operative       C331       Piling Operator (Builder's Lift and Other Machinery)       C332         Visitor       Plant and Equipment Operator (Hoist and Crane)       C334       1         Plant and Equipment Operator (Filing)       C335       Plant and Equipment Operator (Filing)       C336         Plant and Equipment Operator (Filing)       C336       Plant and Equipment Operator (Filing)       C336	E317 E318 E319	
Marine Construction Plant Operator       C325       Thermal Insulation Craftsman         (Mention briefly anv matter delaving or obstructing progress)       Maison       C326       Welder         Metal Scaffolder       C327       Labourer       Labourer         Metal Worker       C328       Semi-skilled Worker         Paint and Equipment Operator (Builder's Lift and Other Machinery)       C331       Technician         Visitor       Plant and Equipment Operator (Earthmoving Machinery)       C333       7         Plant and Equipment Operator (Pling)       C335       Plant and Equipment Operator (Pling)       C335         Plant and Equipment Operator (Pling)       C336       1	E317 E318 E319	
Progress       Mason       C326       Welder         (Mention briefly any matter delaying or obstructing progress)       Metal Scaffolder       C327       Labourer         Metal Worker       C328       Semi-skilled Worker       Semi-skilled Worker         Painter & Decorator       C329       Technician         Piling Operative       C330       Piling Operator (Builder's Lift and Other Machinery)       C332         Visitor       Plant and Equipment Operator (Builder's Lift and Other Machinery)       C333       7         Plant and Equipment Operator (Hoist and Crane)       C334       1         Plant and Equipment Operator (Piling)       C335	E318 E319	
Progress       Mason       C326       Welder         (Mention briefly any matter delaying or obstructing progress)       Metal Scaffolder       C327       Labourer         Metal Scaffolder       C328       Semi-skilled Worker       Semi-skilled Worker         Painter & Decorator       C330       Piling Operative       C330         Piling Operative       C331       Pipelayer       C331         Visitor       Plant and Equipment Operator (Builder's Lift and Other Machinery)       C333       7         Plant & Equipment Operator (Hoist and Crane)       C334       1         Plant and Equipment Operator (Piling)       C335       Plant and Equipment Operator (Tunnelling)       C336	E319	
Metal Worker     C328     Semi-skilled Worker       Painter & Decorator     C329     Technician       Piling Operative     C330     Pipelayer       Pipelayer     C331     Plant and Equipment Operator (Builder's Lift and Other Machinery)     C332       Plant and Equipment Operator (Barthmoving Machinery)     C333     7       Plant and Equipment Operator (Hoist and Crane)     C334     1       Plant and Equipment Operator (Piling)     C335     Plant and Equipment Operator (Tunnelling)		
Metal Worker     C328     Semi-skilled Worker       Painter & Decorator     C329     Technician       Piling Operative     C330     Pipelayer       Pipelayer     C331     Pipelayer       Plant and Equipment Operator (Builder's Lift and Other Machinery)     C333     7       Plant and Equipment Operator (Hoist and Crane)     C334     1       Plant and Equipment Operator (Piling)     C335     1       Plant and Equipment Operator (Tunnelling)     C336     1		
Painter & Decorator     C329     Technician       Piling Operative     C330     Pipelayer     C331       Visitor     Plant and Equipment Operator (Builder's Lift and Other Machinery)     C332       Plant and Equipment Operator (Barthmoving Machinery)     C333     7       Plant and Equipment Operator (Hoist and Crane)     C334     1       Plant and Equipment Operator (Piling)     C335     Plant and Equipment Operator (Tunnelling)	E402	
Visitor     Piling Operative     C330       Visitor     Pipelayer     C331       (Record names of visitors and time of visit)     Plant and Equipment Operator (Builder's Lift and Other Machinery)     C332       Plant and Equipment Operator (Builder's Lift and Other Machinery)     C333     7       Plant and Equipment Operator (Hoist and Crane)     C334     1       Plant and Equipment Operator (Piling)     C335     1       Plant and Equipment Operator (Tunnelling)     C336     1	······································	
Pipelayer     C331       Visitor     Plant and Equipment Operator (Builder's Lift and Other Machinery)     C332       (Record names of visitors and time of visit)     Plant and Equipment Operator (Earthmoving Machinery)     C333     7       Plant and Equipment Operator (Hoist and Crane)     C334     1       Plant and Equipment Operator (Pling)     C335       Plant and Equipment Operator (Tunnelling)     C336	Т	
Visitor       Plant and Equipment Operator (Builder's Lift and Other Machinery)       C332         (Record names of visitors and time of visit)       Plant & Equipment Operator (Earthmoving Machinery)       C333       7         Plant and Equipment Operator (Hoist and Crane)       C334       1         Plant and Equipment Operator (Pling)       C335         Plant and Equipment Operator (Tunnelling)       C336		
Visitor       Plant & Equipment Operator (Earthmoving Machinery)       C333       7         (Record names of visitors and time of visit)       Plant and Equipment Operator (Hoist and Crane)       C334       1         Plant and Equipment Operator (Pling)       C335       Plant and Equipment Operator (Tunnelling)       C336		
Plant and Equipment Operator (Hoist and Crane) C334 1 Plant and Equipment Operator (Piling) C335 Plant and Equipment Operator (Tunnelling) C336		
Plant and Equipment Operator (Piling)     C335       Plant and Equipment Operator (Tunnelling)     C336		
Plant and Equipment Operator (Tunnelling) C336		
	<b>.</b>	
Plasterer C337		
Plumber C338		
Accidents Pneumatic Driller C339		
(Describe any occurance of accident) Prestressing Operative C340		• •
Rigger/Metal Fornwork Erector C341		
Shotcretor C342	····· · · · · · · · · · · · · · · · ·	
Shotfirer C343		
Slope Maintenance Worker (344		
Area 1 TV20 and the Company of the C	· · · · · · · · · · · · · · · · · · ·	
114CA WULKS		
Thux Driver (Coswan) Daige Engineer (149		
Window Frame Installer C350		
Total19_		
Assistance to Engineer No.		
Possibilité la Possibilité internet int		
Amai		
Coordinate Engineer 1		
Drafting Assistant 1		
Driver 2		
Field Assistant 3		
Office Assistant 1		
Watehman 1	· · · · · · · · · · · · · · · · · · ·	
Total 10 (To be continued) Total Labour		•

* Working ganger is equivalent to ordinary worker in the trade in which he is employed or, if the trade is not listed, truck driver (refer to GS Table 1.1) Day's record and instructions checked and agreed	Signed: Engineer's Representative	Signed:	Contractor's Representative
	Name/Post: Eddie Luk / Resident Engineer		Wong Ching Lung / Site Agent
Original - ER's File	Date:	Date:	19/6/2012

Duplicate - Contractor	Duplicate -	Contractor
------------------------	-------------	------------

19/6/2012

## Contract No.: DC/2009/22 Date: 18/06/2012

Day: Monday

Plant		
Туре	No. Working	No. Idle
ackhoe ackhoe with Vibrating Hammer		2
enerator	l 5	1
xy-Acetylene	3	1
eel Bending Machine		3
ater Pump 50mm ater Pump 75mm		
elding Set	3	1 · · · · · · · · · · · · · · · · · · ·
· · · · · · · · · · · · · · · · · · ·		•
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
	- - - - -	
	-	•
	F	
		÷
······		
·····		
		· ··· · ·
· · · ·		· ·
	·· ·· ·· ·· ·· ··	
·····		
· · · · · · · · · · · · · · · · · · ·		
·········		
۵. در میں ایک ایک ایک ایک ایک ایک ایک ایک ایک ایک		1
tal	31	

Signed:

Date:

Z IOW

Tso Sai Kuen / Inspector of Works

19/6/2012

Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

f Task Completed g No Operator h Not Required i Sunday/Public Holiday

e Bad Weather

Time	Location	Activity	Labour				Pla	nt			T	Material De	livered
						Туре	Wo	rking		Idling		Description	Quantity
			Trade	Code	No.	-	No.	- ID	No.	ID	Code		
08:00 - 18:00	Area A - DN1800 Stormwater Drain	Modification of temporary gate along hoarding next to cycle track	Labourer (male)	C406	1	Backhoe	1	EX29					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe with Vibrating Hammer				EX48			
					1	Generator	1	1	1				
CHOCKER						Oxy-Acetylene	1						1
						Welding Set	l			1			
08:00 - 18:00	Area A - Pump Station	Formwork shuttering for floor slab between ground beams BB1~BB17 Cleaning up switchroom for finishing works Dismantling bamboo screens outside switchroom & transformer room Cart away construction waste to WENT (1 Truckload)	Bamboo Scaffolder	C303	2	Backhoe				EX28	h		
			Carpenter	E304	1	Steel Bending Machine		1	3	1	h		
			Labourer (male)	C406	4	Water Pump 50mm	2						
·						Water Pump 75mm	1						
					L			<u> </u>				· · · · · · · · · · · · · · · · · ·	
	Area A - Pump Station - Box Culvert	No activity as per KLKJV arrangement											
07.00 10.00	Arrest Arr The Retain Decision							ļ		*			
07:00 - 18:00 18:00 - 20:00	Area A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation (3 F/Lab) Mauual control of temporary traffic light for traffic flow regulation (1 F/Lab)	Labourer (female)	C406	3		ļ						
08:00 - 18:00	Area A Tina Kak Baad	Shifting of TTA from Ch. 125~180 to Ch. 70~125 for Ø2100 drain pipe construction											
08:00 - 18:00	(CH110-160)	Similing of 11A from C.n. 125~180 to C.n. 70~125 for 62100 drain pipe construction	Labourer (male)	C406	2			<u> </u>					
08:00 - 18:00	Area A - Ting Kok Road	Implementation of TTA for works area (Drawing No.DC200922/TKR/034(Rev.B)	Labourer (male)	C406	2	Backhoe	1	EX39			[		-
	(CH70-125)	Breaking up existing bituminous carriageway at Ch. 105~110						ļ					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	2	Backhoe	1	EX45					
				_		Water Pump 50mm	2						
	Area A - Ting Kok Road	No activity as per KLKJV arrangement				Water Pump 50mm	1						
	(Intake Structure)					water Pump Somm							_
08:00 - 18:00	Anna D. Turna Tora	Bay 11 - Driving sheetpiles for shoring	D. D. 1. 2 P'	0004		D 11	<u> </u>						
08:00 - 18:00	Nursery (CH130-CH280)	Bay 11 - Driving sheetpiles for shoring Bay 12 - Excavating for box culvert Bay 13 - Fabricating first layer I-beam walings and struts for shoring Cutting and bending reinforcement bars for box culvert at bending yard	Bar Bender & Fixer	C304	5	Backhoe		EX49					
			General Welder	C318	1	Backhoe with Vibrating Hammer	1	EX47					
			Labourer (male)	C406	4	Generator	1	1		1	h	······································	1
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Oxy-Acetylene	1	1					1

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	
	Eng

Date:

gineer's Representative

Eddie Luk/Resident Engineer Name/Post:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

Date:

Signed:

19/6/2012

Date:

Contract No.: DC/2009/22

Date: 18/06/2012

Day: Monday

IOW

Tso Sai Kuen / Inspector of Works

19/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Pla		Material Delivered				
						Туре	Wo	rking	1	Idling		Description	Quantity
			Trade	Code	No.		No.	ID	No.	ID	Code		
			Plant and Equipment Operator (Hoist and Crane)	C334	1	Welding Set	1	1	†	1			1
									1				
08:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	Bay 5 - Stripping off wall formwork and concrete curing General housekeeping and miscellaneous works	Labourer (male)	C406	6	Backhoe	1	EX46				*****	
			Plant & Equipment Operator (Earthmoving Machinery)	C333	]	Generator	1	1					
						Water Pump 50mm	1	1	1	1			1
						Water Pump 75mm	1	1	1				
08:00 - 18:00	Area B - Tung Tsz Nursery (Jacking Pit)	Excavating for jacking pit to formation level Fabricating cat ladder down into the pit	Labourer (male)	C406	2	Backhoe				EX25	h	******	
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe	1	EX36	+				1
						Generator	1			1			
			······································			Oxy-Acetylene		+	1	1	h		
						Water Pump 50mm	1		1				
)8:00 - 17:00	Area E - Siu Lek Yuen Rd.Playground	PL 1603.1 - Trench excavation at Ch. 0~6 and fabricating lower layer of walings and struts for shoring Cart away excavated materials to area B (1Truckload)	Labourer (male)	C406	2	Backhoe	1	EX21					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Generator	1		1	1			1
						Oxy-Acetylene	1						
						Water Pump 50mm	1						
						Water Pump 75mm	2					····	
				-		Welding Set	1						
	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement											
								1	t	1			
AML**	Area G - Ngan Shing St.	No activity as per KLKJV arrangement							[				
	Area I - Contractor Office	No activity as per KLKJV arrangement										*****	

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	
	Engineer's Representative
Name/Post.	Eddie Luk/Resident Engine

Name/Post: Eddie Luk/Resident Engineer
Date:

**C.** 

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

19/6/2012

Date:

Date:

Contract No.: DC/2009/22 Date

e:	18/06/2012	

Day: Monday

IOW

Tso Sai Kuen / Inspector of Works

19/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1 Contractor: KWAN LEE - KULY JOINT VENTURE

Weather:			Typhoon / Warning Signal:
<u>AM</u>	<u>PM</u>	<u>Rainfall (mm)</u>	T3 - 00:00~10:20
Cloudy	Fine	ST 2, TP 2	T1 - 10:20~20:40

(Hong Kong Observatory's record)

Instructions to Contractor	Contractoric Site Staff No.	J shaws	Code No	[ #k	Cat	*7
(Record verbal instructions given)	Contractor's Site Staff No.	Labour	Code No.	Labour	Code	No.
	Assistant Surveyor	Asphalter (Other Construction)	C301	Chainman	C401	
	Chainman 3	Asphalter (Roadworks)	C302	Concreting Labourer	C402	
	Community Liaison Officer	Bamboo Scaffolder	C303 2	Diver's Linesman / Dredger Crew / Barge Crew	C403	
	CEG	Bar Bender & Fixer	C304 5	Excavator	C404	
	Contract Manager 1	Bricklayer	C305	Heavy Load Labourer	(*405	
Comments by Engineer's / Contractor's Representative	Engineer	Carpenter (Fender)	C306	Labourer (male / female) / Lorry checker / Watchman Office attendan	C406	24
	Environmental Officer 1	Carpenter (Formwork)	C307 1	Sewennan	C407	
	Foreman/Assistant Foreman 2	Concrete Repairer	C308	Automation Equipment Mechanic	E301	
	General Foreman 1	Concretor	C309	Building Services Mechanic	E302	
	Labour Officer 1	Construction Plant Mechanic	C310	Cable Jointer (Power)	E303	
	Land Surveyor 1	Curtain Wall Installer	C311	Carpenter	E304	
£7449744	Project Director 1	Demolition Worker	C312	Electrician/Electrical Fitter	E305	
Utilities	Project Manager 2	Diver	C313	Fire Services Mechanic	E306	
(Record location & nature of works)	Project Quantity Surveyor 1	Drainlayer	C314	Instrument Mechanic	E307	
	Quantity Surveyor	Electrician (Main Contractor's)	C315	Lift Electrician	E308	
	Safety Officer	Floor Layer	C316	Lift Mechanic	E309	
	Site Agent 1	Gas Plumber	C317	Mechanical Fitter	E310	
	Surveyor 1	General Welder	C318 1	Overhead Linesman	E311	
		Glazier	C319	Painter	E312	
		Ground Investigation Operator/Driller/Borer	C320	Plumber and Pipe Fitter	E313	
		Grouting Worker	C321	Refrigeration/AC/Ventilation Mechanic	E314	
		Joiner	C322	Sheet Metal Worker	E315	
		Leveller	C323	Sign Fabricator	E316	
		Marble Worker	C324	Sign Installer	E317	
		Marine Construction Plant Operator	C325	Thermal Insulation Craftsman	E318	
Progress	······································	Mason	C326	Welder	E319	
(Mention briefly any matter delaying or obstructing progress)		Metal Scaffolder	C327	Labourer	E401	
		Metal Worker	C328	Semi-skilled Worker	E402	
		Painter & Decorator	C329	Technician	T	
		Piling Operative	C330			
		Pipelayer	C331	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
		Plant and Equipment Operator (Builder's Lift and Other Machinery)				
Visitor	[	Plant & Equipment Operator (Earthmoving Machinery)	C333 6			
(Record names of visitors and time of visit)		Plant and Equipment Operator (Hoist and Crane)	C334 1		·····	
Luk (CE/DSD) visited Area A & B at 11:00 A.M.		Plant and Equipment Operator (Piling)	C335			
		Plant and Equipment Operator (Tunnelling)	C336			
		Plasterer	C337			
		Plumber	C338			
Accidents		Pneumatic Driller	C339			
(Describe any occurance of accident)		Prestressing Operative	C340			
(Describe any occurance of accident)		Rigger/Metal Fornwork Erector	C341			
		Shotcretor	C342			
		Shotfirer	C343		2	
		Slope Maintenance Worker	C344	· · · · · · · · · · · · · · · · · · ·	······	
		Structural Steel Erector	C345			
Remarks		Structural Steel Welder	C346	· · · · · · · · · · · · · · · · · · ·		
Backhoe EX42 on site		Tiler	C347			
Backhoe EX29 off site	······································	Trackworker	C348	······································		
		Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C349 1	······································	· · · · · · · · · · · ·	
		Window Frame Installer	C350			
	Total 19			· · · · · · · · · · · · · · · · · · ·	· · · .	
		<b>i</b>				
	Assistance to Engineer No.			······································		
	Amah 1			· · · · · · · · · · · · · · · · · · ·		
	Coordinate Engineer 1				·····i	
	Drafting Assistant					
					-	
	Driver 2 Field Assistant 3	l				···· ···· ·
	1010 / 1000 Harris				:	
	Office Assistant I				· ÷	
	Watchman 1 Total 10	(To be continued)		Total Labour		41
	Total 10					

* Working ganger is equivalent to ordinary worker in the trade in which he is employed or, if the trade is not listed, truck driver (refer to GS Table 1.1) Day's record and instructions checked and agreed	Signed:	Ingineer's Representative	Signed:	Contractor's Representative
	Name/Post:	Eddie Luk / Resident Engineer		Wong Ching Lung / Site Agent

Date:

Original - ER's File

Duplicate - Contractor

Date:

2016/2012

### Contract No.: DC/2009/22 Date: 19/06/2012 Day: Tuesday

Plant										
Туре	No. Working	No. Idle								
eckhoe		3								
ackhoe with Vibrating Hammer										
imp Truck ectric Breaker	<b>1</b>									
enerator	5	•••••								
xy-Acetylene	3	2								
eel Bending Machine	3									
ater Pump 50mm ater Pump 75mm	8 4									
elding Set	3									
· · · · · · · · · · · · · · · · · · ·										
	: •									
	• · ·									
	•									
· · · · · · · ·										
·····										
	- - -									
	······									
	i									
	-	: •								
······································										
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·									
	• • •• •••• • •••									
		:								
	· · · · · · · · · · · · · · · · ·									
	·									
		· · · · · · · · · · · ·								
	-									
		·								
·										
·······										
ital	35	6								

Signed:

IOW

Tso Sai Kuen / Inspector of Works

Date:

20/6/2012

### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Pla	nt				Material De	livered
				Туре	We	rking	Τ	Idling		Description	Quantity		
			Trade	Code	No.		No.	ID	No.	ID	Code		
08:00 - 18:00	Area A - DN1800 Stormwater Drain	Modification of temporary gate along hoarding next to cycle track	General Welder	C318	1	Backhoe with Vibrating Hammer		1	I	EX48	h		
			Labourer (male)	C406	1	Generator	1	1	1	1			
				1		Oxy-Acetylene	1	1	1	1			1
						Welding Set	1		1	1			
								1		1			1
08:00 - 18:00	Area A - Pump Station	Formwork shuttering for floor slab between ground beams BB1~BB17 Cleaning up switchroom for finishing works Dismantling bamboo screens outside switchroom & transformer room Scrabbling C.J. on beams (BB1~BB17) & pre-pour cleaning for floor slab Cutting & bending reinforcement bars for walls (W16 & W17) at bending yard	Bamboo Scaffolder	C303	2	Backhoe			1	EX28	h		
			Bar Bender & Fixer	C304	5	Electric Breaker	1			Ι			
			Carpenter (Formwork)	C307	1	Steel Bending Machine	3						
L			Labourer (female)	C406	2	Water Pump 50mm	2						
			Labourer (male)	C406	3	Water Pump 75mm	1						
	Area A - Pump Station - Box Culvert	No activity as per KLKJV arrangement							-				
07:00 - 18:00 18:00 - 20:00	Area A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation (3 F/Lab.) Manual control of temporary traffic light for traffic flow control regulation (1 F/Lab.)	Labourer (female)	C406	3								
08:00 - 18:00	Area A - Ting Kok Road (CH70-125)	Breaking up existing flexbile pavement for Ø2100 pipe trench at Ch. 90~105	Labourer (male)	C406	3	Backhoe	1	EX39					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	2	Backhoe	1	EX42		1			
						Backhoe		1	1	EX45	h		
					1	Water Pump 50mm	2	1	1	1			
								1					
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1						
					ļ				<u> </u>	L			
08:00 - 18:00	Area B - Tung Tsz Nursery (CH130-CH280)	Bay 11 - Driving sheetpiles for shoring Bay 12 - Excavating for box culvert Bay 13 - Fabricating first layer I-beam struts for shoring Cart away excavated materials to temporary stockpile at D.D.12, Tung Tze Road (12 truckloads)	Labourer (male)	C406	4	Backhoe		EX47					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe	1	EX49		1			1
			Plant and Equipment Operator (Hoist and Crane)	C334	1	Generator	1	1		1			
		•			1	Oxy-Acetylene	1	1					1
			· · · · · · · · · · · · · · · · · · ·		t	Welding Set	1						+
				-	<u> </u>			<del> </del>	<u> </u>	1			-

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:

Engineer's Representative

Eddie Luk / Resident Engineer Name/Post:

Date:

Contractor's Representative

Signed:

Date:

Wong Ching Lung / Site Agent

Date:

Signed:

20/6/2012

Contract No.: DC/2009/22 Date: 19/06/2012

Day: Tuesday

286 . ..  $\langle \rangle$ IOW

Tso Sai Kuen / Inspector of Works

20/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Pla	nt		Manda a da da Albanda da Albanda da Albanda da Manda da Manda da Manda da Manda da Manda da Manda da Manda da	Γ	Material De	livered
						Туре	Wo	rking	Idlin			Description	Quantity
08:00 - 18:00			Trade	Code	No.		No.	ID	No.	ID	Code		
8:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	Bay 5 - Patching up tie bolt holes at walls of box culvert General housekeeping works	Labourer (male)	C406	4	Backhoe	1	EX46					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Generator	1		<u> </u>	[			1
						Oxy-Acetylene		1	1		h		
						Water Pump 50mm	1						1
						Water Pump 75mm	1						
8:00 - 18:00	Area B - Tung Tsz Nursery (Jacking Pit)	Excavating for jacking pit to formation level	Labourer (male)	C406	2	Backhoe			1	EX25	h		
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe	]	EX36					
						Generator	1						
				_		Oxy-Acetylene		L	1	ļ	h		
						Water Pump 50mm	1						
00.00 10.00									ļ				
)8:00 - 18:00	Area E - Siu Lek Yuen Rd.Playground	PL 1603.1 - Trench excavation at Ch. 0~6 Cart away excavated materials to area B (2 Truckloads)	Labourer (male)	C406		Backhoe	1	EX21					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Dump Truck	1						
			Truck Driver	C349	1	Generator	1			ļ			
				_		Oxy-Acetylene	1						
	<u>.</u>					Water Pump 50mm	1	<b>_</b>	<u> </u>				
				_		Water Pump 75mm	2						
						Welding Set		<u> </u>					+
	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement											
													1
······	Area G - Ngan Shing St.	No activity as per KLKJV arrangement						<u> </u>					
	Area I - Contractor Office	No activity as per KLKLJV arrangement											

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:

Engineer's Representative

Eddie Luk / Resident Engineer Name/Post: Date:

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent 2016/2012

Date:

Contract No.: DC/2009/22 Date: 19/06/2012

Day: Tuesday

XE 1 IOW

Tso Sai Kuen / Inspector of Works

20/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1

Contractor: KWAN LEE - KULY JOINT VENTURE

#### Weather:

#### Typhoon / Warning Signal:

AM PM Rainfall (mm)

Very Hot Weather Warning - 08:45~23:00

Cloudy Cloudy ST 0, TP 0

(Hong Kong Observatory's record)

Instructions to Contractor (Record verbal instructions given)	Contractor's Site Staff No.	Labour	Code	No.	Labour	Code No.	P1:	nt
(Record verbar histracions given)	Assistant Surveyor	Asphalter (Other Construction)	C301	1	Chainman	0401		
	Chainman 3	Asphalter (Roadworks)	C302		Chainman Concreting Labourer	C401	Туре	No. Working No. Id
	Community Liaison Officer 1	Bamboo Scaffolder	C303	2	Diver's Linesman / Dredger Crew / Barge Crew	C402	Backhoe	
	CEG 1	Bar Bender & Fixer	C304	5		C403	Backhoe with Vibrating Hammer	
	Contract Manager 1	Bricklayer			Excavator	C404	Dump Truck	1
Comments by Engineer's / Contractor's Representative	Engineer	Carpenter (Fender)	<u>C305</u>		Heavy Load Labourer	C405	Generator	4
2 SAMATAGE 2) ENGINEER D. COMPARING STREPS COMMANY	Environmental Officer 1		<u>C306</u>		Labourer (male - female) / Lorry checker - Watchman Office attend	100 Hou	Oxy-Acetylene	2 2
		Carpenter (Formwork)	<u>C307</u>		Sewerman	<u>C407</u>	Steel Bending Machine	
	Foreman/Assistant Foreman 2	Concrete Repairer	C308	1	Automation Equipment Mechanic	E301	Vibrating Prob	1
	Cieneral Foreman 1	Concretor	C309	2 .	Building Services Mechanic	E302	Water Pump 50mm	8
	Labour Officer 1	Construction Plant Mechanic	C310		Cable Jointer (Power)	E303	Water Pump 75mm	4
	Land Surveyor 1	Curtain Wall Installer	C311		Carpenter	E304	Welding Set	2
Utilities	Project Director 1	Demolition Worker	C312		Electrician/Electrical Fitter	E305		
(Record location & nature of works)	Project Manager 2	Diver	C313		Fire Services Mechanic	E306		
process of the and the matter of mories;	Project Quantity Surveyor 1	Drainlayer	C314		Instrument Mechanic	E307		
	Quantity Surveyor	Electrician (Main Contractor's)	C315		Lift Electrician	E308		······································
	Safety Officer 1	Floor Layer	C316	1	Lift Mechanic	E309	· · · · · ·	
	Site Agent 1	Gas Plumber	C317	[	Mechanical Fitter	E310		
	Surveyor 1	General Welder	C318	··· ··· [	Overhead Linesman	E311	· · · · · · · · · · · · · · · · · · ·	••••••
		Glazier	C319		Painter	E312		····
		Ground Investigation Operator/Driller/Borer	C320		Plumber and Pipe Fitter		· · · · · · · · · · · · · · · · · · ·	and the second sec
		Grouting Worker	C320		Refrigeration/AC/Ventilation Mechanic	E313		······································
		Joiner		····		E314		an and second a state of a
			<u>C322</u>		Sheet Metal Worker	E315		
		Leveller	<u>C323</u>		Sign Fabricator	E316		
		Marble Worker	C324		Sign Installer	E317		
Progress		Marine Construction Plant Operator	C325		Thermal Insulation Craftsman	E318		in in in i
(Mention briefly any matter delaying or obstructing progress)		Mason	C326	1	Welder	E319		
(Alendon brieny any maner delaying or obstructing progress)		Metal Scaffolder	C327		Labourer	E401		
		Metal Worker	C328		Semi-skilled Worker	E402		
		Painter & Decorator	C329		Technician	Т		
		Piling Operative	C330					· · · · · · · · · · · · · · · · · · ·
		Pipelayer	C331					
Visitor		Plant and Equipment Operator (Builder's Lift and Other Machine	ery) C332					· · · · · · · · · · · · · · · · · · ·
(Record names of visitors and time of visit)		Plant & Equipment Operator (Earthmoving Machinery)	C333	7				· · · · · · · · · · · · · · · · · · ·
(Record hames of visitors and time of visit)		Plant and Equipment Operator (Hoist and Crane)	C334	2			and the second second second second second second second second second second second second second second second	
		Plant and Equipment Operator (Piling)	C335	····~				
		Plant and Equipment Operator (Tunnelling)	C336					
		Plasterer	C337	···· ··· [	······		ter en anter en anter and the company and the	
	· - ··· ······························	Plumber	C338					
4		Pneumatic Driller	C339	1	a de la construcción de la construcción de la construcción de la construcción de la construcción de la constru		·····	and the second second second second
Accidents		Prestressing Operative			······	·		
(Describe any occurance of accident)		Rigger/Metal Formwork Erector	<u>C340</u>					
			<u>C341</u>					
		Shotcretor	C342		· · ·	· · · · · · · · · ·		
		Shotfirer	<u>C343</u>					
		Slope Maintenance Worker	C344			- 4.0 jul		
Remarks		Structural Steel Erector	C345					
Meeting was held agmonst CLP, KLKJV and AECOM at 15:00 hr. concerning the	- I	Structural Steel Welder	C346					
		Tiler	C347					
power supply to Transformer Room of Pump Station		Trackworker	C348					
		Truck Driver Coxswain Barge Engineer Working Ganger*	C349	1				······
		Window Frame Installer	C350					······
	Total 19							
	Assistance to Engineer No.							
	rissistance to Engineer 110,							
	Amah 1			••••••				<u>t</u>
	Coordinate Engineer 1				······································			
	Drafting Assistant 1						· ·	
	Driver 2		1.1.1		· · · · · · · · · · · · · · · ·			
	Field Assistant 3	· · · · · · · · · · · · · · · · · · ·	er en en en en en en en en en en en en en		······································			a companya contraction in the second
				{			l	· · · · · · · · · · · · · · · · · · ·
	Office Assistant 1				·		·····	
	Watchman 1	· · · · · · · · · · · · · · · · · · ·			·····			
	Total 10	(To be continued)			Total Labour			

* Working ganger is equivalent to ordinary worker in the trade in which	
he is employed or, if the trade is not listed, track driver	
(refer to GS Table 1.1)	

Day's record and instructions checked and agreed

Signed:

Date:

Engineer's Representative

Name/Post: Eddie Luk/Resident Engineer

Signed:

Date:

Contractor's Representative

Wong Ching Lung / Site Agent

Original - ER's File

Duplicate - Contractor

21/6/2012

### Contract No.: DC/2009/22 Date: 20/06/2012

Day: Wednesday

Signed:

(00 IOW

Tso Sai Kuen / Inspector of Works

Date:

21/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour	Plant					
						Туре	Wo	rking	
			Trade	Code	No.		No.	ID	No.
	Area A - DN1800 Stormwater Drain	Excavating trench along shoring line to remove boulders Driving sheetpiles for shoring of Ø1800 pipe trench	Labourer (male)	C406	2	Backhoe	1	EX45	
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe with Vibrating Hammer	1	EX48	
			Plant and Equipment Operator (Hoist and Crane)	C334	1		1	1	
08:00 - 18:00	Area A - Pump Station	Concreting for ground floor slab between ground beams BB1~BB17 (Total : 37.5 cu.m) Cleaning up switchroom for finishing works Erecting bamboo working platform inside transformer room for rendering to ceiling Cutting & bending reinforcement bars for walls (W16 & W17) at steel yard	Bamboo Scaffold <del>e</del> r	C'303	2	Backhoe	1	EX28	
			Bar Bender & Fixer	C304	5	Steel Bending Machine	3		
			Concretor	C309	2	Vibrating Prob	1	1	
			Labourer (female)	C406	2	Water Pump 50mm	2	l l	
			Labourer (male)	C406	4	Water Pump 75mm	1	T	
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1			1	
					[		1	1	
	Area A - Pump Station - Box Culvert	No activity as per KLKJV arrangement							
07:00 - 18:00 18:00 - 20:00	Area A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation (3 F/Lab.) Manual control of temporary traffic light for traffic flow regulation (1 F/Lab.)	Labourer (female)	C406	3		-		
08:00 - 18:00	Area A - Ting Kok Road (CH70-125)	Breaking up flexible pavement for Ø2100 pipe trench at Ch. 80~90 Cart away excavated materials to Area B (5 Truckloads) Excavating to expose underground utilities along pipe trench	Labourer (male)	C406	2	Backhoe	1	EX39	
		**************************************	Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe	1		1
			Truck Driver	C349	1	Dump Truck	1		
	1					Water Pump 50mm	2		
					[				
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1		
							_		
08:00 - 18:00	Area B - Tung Tsz Nursery (CH130-CH280)	Bay 12 - Excavating for box culvert and fabricating first layer I-beam struts for shoring Cart away excavated material to temporary stockpile area at D.D.12, Tung Tze Road (6 truckloads)	Labourer (male)	C406	5	Backhoe	1	EX47	
<u></u>			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe	1	EX49	
			Plant and Equipment Operator (Hoist and Crane)	C334	1	Generator	1		
						Oxy-Acetylene	1		
						Welding Set	1		
08:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	Bay 5 - Fabricating stop end sheetpile shoring and stripping off formwork from soffit and walls	Labourer (male)	C406	3	Backhoe	1	EX46	

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Engineer's Representative

Eddie Luk/Resident Engineer Name/Post:

Date:

Date:

Signed:

Wong Ching Lung / Site Agent

21/6/2012

Contractor's Representative

١.

Date:

Signed:

Contract No.: DC/2009/22 Date: 20/06/2012

Day: Wednesday

Material Delivered Idling Description Quantity ID Code No. 1 EX42 h

IOW

Tso Sai Kuen / Inspector of Works

21/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time Location Activity Labour Plant Type Working Trade Code No. No. ID No Plant & Equipment Operator (Earthmoving Machinery) C333 1 Generator 1 Oxy-Acetylene Water Pump 50mm 1 Water Pump 75mm 1 08:00 - 18:00 Area B - Tung Tsz Excavating for jacking pit to formation level abourer (male) C406 2 Backhoe Nursery (Jacking Pit) Fabricating 3rd layer I-beam struts for shoring Plant & Equipment Operator (Earthmoving Machinery) C333 Backhoe EX36 1 1 Generator 1 Oxy-Acetylene Water Pump 50mm 1 08:00 - 18:00 Area E - Siu Lek Yuen PL 1603.1 - Driving sheetpiles and fabricating walings and structs for shoring at Ch. 6~7.5 Labourer (male) C406 2 Backhoe EX21 1 Rd.Playground Plant & Equipment Operator (Earthmoving Machinery) C333 Generator 1 1 Oxy-Acetylene 1 Water Pump 50mm 1 Water Pump 75mm 2 Welding Set 1 Area F - Lek Yuen Street No activity as per KLKJV arrangement Rest Garden Area G - Ngan Shing St. No activity as per KLKJV arrangement Area I - Contractor No activity as per KLKJV arrangement Office

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:

Engineer's Representative

Eddie Luk/Resident Engineer Name/Post: Date:

Signed:

Contractor's Representative

21/6/2012

Signed:

Wong Ching Lung / Site Agent

Date:

Date:

Contract No.: DC/2009/22 Date: 20/06/2012

Day: Wednesday

			Material Deli	vered
	Idling		Description	Quantity
0.	ID	Code		
		h		
	EX25	h		
	LA25	11		
		h		
_				

686 IOW

Tso Sai Kuen / Inspector of Works

21/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract I

Contractor: KWAN LEE - KULY JOINT VENTURE

### Weather:

<u>AM</u>

#### Typhoon / Warning Signal:

Thunderstrom warning - 00:40~05:45, 07:50~10:00, 10:40~21:00 & 23:30~24:00

Shower Rainy

<u>PM</u>

Rainfall (mm)

ST 20, TP 40

(Hong Kong Observatory's record)

ORccord verbal instruction given         Asiantia Sourcet         Asiantia Sourcet         Asiantia Sourcet         Control (Control (Contro) (Control (Control (Control (Control (Control (Contro)	No. Working No. Idl 8 3 1 4 1 2 3 3 8 3 2 I
Distant         3         Apalate (readworks)         Concriting Laborar         Concrent Repainer         Concrent Repainer	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Comments by Engineer's / Contractor's Representative         Comments by Engineer's / Contractor's Representative         Contractor (Contractor's Representative)         Descher all Format/ Interfact         Contractor (Contractor's Representative)         Descher all Format/ Interfact         Contractor (Contractor's Representative)         Descher all Format/ Interfact         Descher all Format/ Interfact <thdescher <br="" all="" format="">Interfact         Descher all Format</thdescher>	8 3
Comments by Englaser's / Contractor's Representative         Citing         Bit Brach & Forer         Citing         Bit Brach & Street         Citing         Dama Tondo           Comments by Englaser's / Contractor's Representative         Indiferent         Citing         Reachaver         Citing         Reachaver         Citing         Reachaver         Citing         Citing         Reachaver         Citing         Citing         Reachaver         Citing	8 3
Company by Eastner's / Contractor's Representative.         Contractor in Representativ	8 3
Comments by Engineer's / Contractor's Representative         Contract Manuar         Contract franch         Contract franch         Contractor's Representative         Contract franch         Contract fra	8 3
Comments by Easiner's / Contractor's Representative         Distinger         Compared fenden         Class         Distinger         Contractor         Contractor <thcontractor< th="">         Contractor         &lt;</thcontractor<>	8 3
Bit intermedia (Officer Forman / 1)         Cancer (Forman	8 3
International section         Construction         Construction         Construction         Construction         Construction         Excl Bearing Machine           Laber Officer         1         Construction Plant Mechanic         C316         Cable Jointer (Power)         E303         Water Damo Some           Laber Officer         1         Construction Plant Mechanic         C316         Cable Jointer (Power)         E303         Water Damo Some           Mechanics         Philes Director         1         Construction Plant Mechanic         C314         Cable Jointer (Power)         E303         Water Damo Some           Mechanics         Philes Director         1         Demolition Worker         C313         E16 Servies Mechanic         E806         Philes Director         Water Damo Some           Distance Mechanic         E307         C314         E16 Servies Mechanic         E806         Philes Director         Philes Director         Philes Director         E304         Philes Director         E304         Philes Director         E304         Philes Director         E304	
General Foreman     1     Concretor     Cionerior     Cionerior     Elos     Water Peany Storm       Labory Officer     1     Concretor     Cartain Wall installer     Cill     Carpenter     Elos     Water Peany Storm       Interview     Project Manager     2     Divisor     Divisor     Cill     Elos     Water Peany Storm       Interview     Project Manager     2     Divisor     Cill     Elos     Elos     Water Peany Storm       Interview     Project Manager     2     Divisor     Cill     Elos     Elos     Elos       Interview     Interview     Interview     Cill     Elos     Elos     Elos       Interview     Interview     Interview     Cill     Elos     Elos     Elos       Interview     Interview     Interview     Cill     Elos     Elos     Elos       Interview     Interview     Cill     Elos     Elos     Elos     Elos       Interview     Interview     Cill     Elos     Elos     Elos     Elos       Interview     Interview     Cill     Cill     Hitterretinia     Elos       Interview     Cill     Cill     Cill     Hitterretinia     Elos       Interview     Cill     C	
Lubour Officer     1     Construction Plant Mechanic     C310     Cabe colorer (Power)     E33     Waster Poum Zimm.       Image: Construction Plant Mechanic     C311     Carpenter     Edits     Extension # Construction Plant Mechanic     E334     Waster Poum Zimm.       Image: Construction Plant Mechanic     C311     Demolition Worker     C312     Electrication#Electricatio#Electrication#Electrication#Electrication#Electrication#Electri	
Land Surveyor         1         Curtain Wall Installer         C312         Carpender         Eber/nice         File         Welding Set	
Utilities         Project Director         1         Denotition Worker         C12         Elserician/Encipar/Enci	
Uninted         Color         Reason         2         Diver         C11         File Services Mechanis         E306           (Record lecation & nature of works)         Proide Quantity Surveyor         Dividiaves         C14         Instrument Mechanis         E307           Uninteg         Quantity Surveyor         Interview         C14         Instrument Mechanis         E307           Stef Vofficer         1         Bite Agent         C14         Instrument Mechanis         E307           Stef Vofficer         1         General Weiler         C115         Lift Electrician (Main Contractor's)         C14           Stef Vofficer         1         General Weiler         C115         Lift Electrician         E307           Grouding Worker         C12         Printer         E310         E311         E312           Grouding Worker         C320         Planthyraton AC (Pendiation Mechanic         E314         E314           Iober         C322         Size Mechanic         E314         E316         E314         E316           Marine Construction Parater         C323         Size Mechanic         E316         Size Mechanic         E314         E314           Iober         C322         Themain Insulator         E314         Size Mecha	
Image: Construction & Instance of Works)	
Quantity Surveyor     Electrician (Main Contractor's)     C315     Lift Electrician     E308       Safety Officer     1     Gas Plumber     C316     Lift Electrician     E309       Site Agent     1     Gas Plumber     C317     Mechanical Fitter     E310       Surveyor     1     General Welder     C318     2     Overfreed Linesman     E311       Ground Investigation Operator/Driller/Borer     C320     Plumber and Pipe Fitter     E313       Ground Investigation Operator/Driller/Borer     C320     Plumber and Pipe Fitter     E314       Lift Meedinal/Covertitier     E314     E314     E314       Lift Meedinal/Covertitier     E314     E314       Lift Meedinal/Covertitier     E314     E316       Maribe Worker     C322     Sheet Metal Worker     E316       Maribe Worker     C325     Inermal Insulation Craftman     E318       (Meation brieffly any matter delaving or obstructing progress)     Metal Scaffolder     C327     Labourer       Visitor     Painter & Decorator     C332     Semi-skilled Worker     E402       Painter & Decorator     C329     Technician     T       Pinter & Decorator     C332     Endivision     E402       Plant at Euginemet Operator (Eattinnoving Meetinery)     C333     8 <th></th>	
Sife Qfficer       1       Gor Layer       C316       Mic Mechanic       E409         Sife Qfficer       1       General Welder       C317       Mich Mechanic       E310         Surveyor       1       General Welder       C318       2       Dverhead Linesnan       E311         Glazier       C319       Painter       E313       E313       E314         Ground Investigation Operator/Driller/Borer       C320       Plumber and Pipe Fitter       E313         Ground Investigation Operator/Driller/Borer       C321       Steet Metal Worker       E314         Loweller       C323       Stein Fabricator       E315         Marine Construction Plant Operator       C324       Sign Fabricator       E316         Marine Construction Plant Operator       C325       Thermal Insultion Craftsman       E318         Metal Worker       C326       Wetalse Soffolder       C329	
Site Agent     1     Gas Plumber     C317     Mechanical Fifter     E310       Surveyor     1     General Welder     C318     2     Overhead Fifter     E312       Ground Investigation Operator Driller Borer     C320     Plumber general MPG Fifter     E313       Ground Investigation Operator Driller Borer     C320     Plumber general MPG Fifter     E313       Ground Investigation Operator Driller Borer     C322     Sheet Mediation Mechanic     E314       Ground Investigation Operator Driller Borer     C322     Sheet Mediation Mechanic     E314       Ground Investigation Operator Driller Borer     C322     Sheet Mediation Mechanic     E314       Marine Construction Plan Operator     C324     Sheet Mediation     E317       Marine Construction Plan Operator     C325     Thermal Insulation Craftsman     E318       Marine Construction Plan Operator     C326     Welder     E319       Metal Worker     C326     Welder     E319       Metal Worker     C326     Welder     E401       Plinic Operative     C330     Filing Operative     C331       Plent and Equipment Operator (Buiker's Lift and Other Machinery)     C333     E       Plent and Equipment Operator (Buiker's Lift and Other Machinery)     C333     E       Plent and Equipment Operator (Buiker's Lift and	
Surveyor     1     General Welder     C318     2     Overhead Linesman     E311       Glazier     C310     Planter     E312       Ground Investigation Operator/Driller/Borer     C320     Planter     E313       Ground Investigation Operator/Driller/Borer     C320     Referention/ACV/enultion Mechanic     E314       Joiner     C321     Referention/ACV/enultion Mechanic     E314       Lower     C323     Sim Fabricator     E315       Joiner     C323     Sim Fabricator     E316       Marine Construction Plant Operator     C324     Sim Fabricator     E317       Marine Construction Plant Operator     C324     Sim Fabricator     E317       Marine Construction Plant Operator     C324     Sim Fabricator     E318       Marine Construction Plant Operator     C326     Welder     E319       Metal Worker     C326     Welder     E319       Metal Worker     C328     Semi-skilled Worker     E402       Plant and Equipment Operator (Builder's Lift and Other Machinery)     C331     Plant and Equipment Operator (Builder's Lift and Other Machinery)       Plant and Equipment Operator (Builder's Lift and Other Machinery)     C333     8       Plant and Equipment Operator (Builder's Lift and Other Machinery)     C333     2       Plant and Equipment Ope	
Glazier     C319     Painter     E312       Groud Investigation Operator Driller/Borer     C320     Plamber and Pipe Fitter     E313       Croud Investigation Operator Driller/Borer     C321     Refingeration/AC/Venitation Mechanic     E314       Joiner     C322     Sheet Metal Worker     E316       Keveller     C323     Sine Abricator     E316       Marble Worker     C324     Sine Abricator     E316       Marble Worker     C324     Sine Identified Worker     E317       Marine Construction Plant Operator     C324     Sine Identified Testiman     E317       Marine Construction Plant Operator     C325     Thermal Insular Orafisman     E319       Marine Construction Plant Operator     C326     Welder     E319       Marine Construction Plant Operator     C326     Welder     E400       Metal Scaffolder     C329     Technician     T       Plainter & Decorator     C329     Technician     T       Plainter & Decorator     C330     Plainter     Feloritian       Plainter & Decorator     C331     Sine     Technician     T       Plainter & Decorator     C330     Plainter & Decorator     C331     Edupment Operator (Builder's Lift and Other Machinery)     C333     8       Plant & Equipment Operator (Build	
Ground Investigation Operator/Driller/Borer     C320     Plumber and Pipe Fitter     E313       Ground Investigation OPerator/Driller/Borer     C321     RefrequentionACVention Mechanic     E314       Loiner     C322     Sheet Metal Worker     E316       Leveller     C323     Sign Installer     E316       Marble Worker     C324     Sign Installer     E317       Marble Worker     C324     Sign Installer     E317       Marble Worker     C324     Sign Installer     E317       Marble Worker     C324     Sign Installer     E318       Marble Worker     C324     Sign Installer     E318       Mason     C326     Welder     E319       Metal Scaffolder     C327     Labourer     E402       Painter & Decorator     C329     Technician     T       Piling Operative     C330     Felnician     T       Piling Operator (Builder's Lift and Other Machinery)     C333     8       Plant and Equipment Operator (Builder's Lift and Other Machinery)     C333     8       Plant and Equipment Operator (Plang)     C334     2       Plant and Equipment Operator (Plang)     C334     C334     C334	
Ground Investigation Operator/Driller/Borer     C320     Plenter and Pipe Fitter     E313       Ground Investigation Operator/Driller/Borer     C321     Refrigeration/AC/Ventilation Mechanic     E314       Joiner     C322     Sheet Metal Worker     E315       Leveller     C323     Sine Tabbicator     E316       Leveller     C324     Sing Installer     E317       Marine Construction Plant Operator     C324     Sing Installer     E317       Marine Construction Plant Operator     C325     Themal Insulation Craftsman     E318       Marine Construction Plant Operator     C326     Weider     E319       Metal Worker     C326     Weider     E401       Metal Worker     C328     Semi-skilled Worker     E401       Plant and Equipment Operator (Builder's Lift and Other Machinery)     C333     8       Plant and Equipment Operator (Pling)     C334     2	· · · · · · · · · · · · · · · · · · ·
Image: Constructing Worker       C321       Refrigeration/AC/Ventilation Mechanic       E314         Joiner       C322       Size Afriday Worker       E315         Leveller       C323       Size Afriday Worker       E316         Marble Worker       C324       Size Afriday Worker       E317         Marble Worker       C324       Size Afriday Morker       E317         Marble Worker       C324       Size Afriday Morker       E318         Marble Worker       C325       Thermal Insulation Craftsman       E318         Metal Scaffolder       C327       Labourer       E401         Metal Worker       C328       Semi-skilled Worker       E402         Painter & Decorator       C329       Technician       T         Pling Operative       C331       T       T         Plant af Equipment Operator (Bailder's Lift and Other Machinery)       C332       T       T         Plant af Equipment Operator (Bailder's Lift and Other Machinery)       C334       2       T       T         Plant af Equipment Operator (Bailder's Lift and Other Machinery)       C334       2       T       T	
Image: space of the space o	
Leveller     C323     Sim Fabricator     E316       Marble Worker     C324     Sign Installer     E317       Marble Worker     C325     Thermal Insulation Craftsman     E317       Mason     C326     Welder     E319       (Mention briefly any matter delaying or obstructing progress)     Metal Scaffolder     C327     Labourer       Metal Scaffolder     C329     Technician     E401       Painter & Decorator     C329     Technician     E402       Piling Operative     C330     T     Piling Operator (Builder's Lift and Other Machinery)     C332       Visitor     Plant and Equipment Operator (Piling)     C333     8       Plant and Equipment Operator (Piling)     C334     2       Plant and Equipment Operator (Piling)     C334     2	
Marble Worker     C324     Sign Installer     E317       Marine Construction Plant Operator     C325     Thermal Insulation Craftsman     E318       (Mention briefly any matter delaving or obstructing progress)     Mason     C326     Welder     E319       Metal Scaffolder     C327     Labourer     E401       Metal Worker     C328     Semi-skilled Worker     E402       Painter & Decorator     C330     Fechnician     T       Ping Operative     C331     Fechnician     T       Plant and Equipment Operator (Builder's Lift and Other Machinery)     C333     8       Plant and Equipment Operator (Piling)     C335     C335	
Marine Construction Plant Operator       C325       Thermal Insulation Craftsman       E318         (Mention briefly any matter delaying or obstructing progress)       Mason       C326       Welder       E319         (Mention briefly any matter delaying or obstructing progress)       Metal Scaffolder       C327       Labourer       E401         Metal Worker       C328       Semi-skilled Worker       E402         Painter & Decorator       C330       Piling Operative       C330         Piling Operative       C331       Technician       T         Plant and Equipment Operator (Builder's Lift and Other Machinery)       C333       8         Plant and Equipment Operator (Piling)       C334       2	
Progress       Mason       C326       Welder       E319         (Meation briefly any matter delaving or obstructing progress)       Metal Scaffolder       C327       Labourer       E401         Metal Worker       C328       Semi-skilled Worker       E402         Painter & Decorator       C329       Technician       T         Piling Operative       C330       Pipelayer       C331         Visitor       Plant and Equipment Operator (Builder's Lift and Other Machinery)       C332          Plant and Equipment Operator (Piling)       C334       2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(Mention briefly any matter delaying or obstructing progress)     Metal Scaffolder     C327     Labourer     E401       Metal Worker     C328     Semi-skilled Worker     E402       Painter & Decorator     C329     Technician     T       Piling Operative     C330     T       Pipelayer     C331     T       Plant and Equipment Operator (Builder's Lift and Other Machinery)     C333     8       Plant and Equipment Operator (Hoist and Crane)     C334     2       Plant and Equipment Operator (Piling)     C335     C335	
Metal Worker     C328     Semi-skilled Worker     E402       Painter & Decorator     C329     Technician     T       Piling Operative     C330     T       Pipelayer     C331     T       Plant and Equipment Operator (Builder's Lift and Other Machinery)     C332     T       Plant and Equipment Operator (Builder's Lift and Other Machinery)     C333     8       Plant and Equipment Operator (Hoist and Crane)     C334     2       Plant and Equipment Operator (Piling)     C335     T	
Painter & Decorator     C329     Technician     T       Piling Operative     C330     T       Pipelayer     C331     T       Plant and Equipment Operator (Builder's Lift and Other Machinery)     C332     T       Plant and Equipment Operator (Builder's Lift and Other Machinery)     C333     8       Plant and Equipment Operator (Hoist and Crane)     C334     2       Plant and Equipment Operator (Piling)     C335     T	
Visitor     Piling Operative     C330       Visitor     Plant and Equipment Operator (Builder's Lift and Other Machinery)     C332       Plant & Equipment Operator (Earthunoving Machinery)     C333     8       Plant and Equipment Operator (Hoist and Crane)     C334     2       Plant and Equipment Operator (Piling)     C335     1	
Visitor     C331       Visitor     C332       Plant and Equipment Operator (Builder's Lift and Other Machinery)     C333       (Record names of visitors and time of visit)     C334       Plant and Equipment Operator (Piling)     C335	
Visitor       Plant and Equipment Operator (Builder's Lift and Other Machinery)       C332         (Record names of visitors and time of visit)       Plant & Equipment Operator (Earthunoving Machinery)       C333       8         Plant and Equipment Operator (Hoist and Crane)       C334       2         Plant and Equipment Operator (Piling)       C335	
Visitor       Plant & Equipment Operator (Earthnoving Machinery)       C333       8         (Record names of visitors and time of visit)       Plant and Equipment Operator (Hoist and Crane)       C334       2         Plant and Equipment Operator (Piling)       C335       C335       C335       C335	
(Record names of visitors and time of visit)       C333       8         Plant and Equipment Operator (Hoist and Crane)       C334       2         Plant and Equipment Operator (Piling)       C335       6	
Plant and Equipment Operator (Hoist and Crane) C334 2 Plant and Equipment Operator (Piling) C335	
Plasterer C337	····••••••••••••••••••••••••••••••••••
Plumber C338	
(Describe any occurance of accident) Rigger Metal Formwork Erector C341	unite a secondaria
	: 
Shotcretor C342	· · · · · · · · · · · · · · · · · · ·
Shotfirer C343	
Slope Maintenance Worker C344	
Structural Steel Erector C345	
Remarks Structural Steel Welder C346	<u></u>
Area B - Backhoe EX50 on site	1. I.I.
Progress Meeting #28 was held at 15:00 hr.	
Truck Driver / Coxswain / Barge Engineer / Working Ganger* C349 1	
Window Frame Installer C350	-
Total	
Assistance to Engineer No.	
Passistance to Engineer 190.	-
Amah	
Coordinate Engineer 1	
Drafting Assistant 1	and a second second second second second second second second second second second second second second second
Driver 2	
Office Assistant 1	(c) Some state in the second secon
Watchman 1	· · · · · · · · · · · · · · · · · · ·
Total 10 To be continued) Total Labour 32 Total	

* Working ganger is equivalent to ordinary worker in the trade in whic	h
he is employed or, if the trade is not listed, truck driver	
(refer to GS Table 1.1)	

Day's record and instructions checked and agreed

Signed:

Date:

Engineer's Representative

Name/Post: Eddie Luk/Resident Engineer

Contractor's Representative

Wong Ching Lung / Site Agent

Original - ER's File

Date:

Signed:

22/6/2012

### Contract No.: DC/2009/22 Date: 21/06/2012

Day: Thursday

Signed:

IOW

Tso Sai Kuen / Inspector of Works

Date:

22/6/2012

Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Pla	nt				Material Delivered		
						Туре	Wo	rking		Idling		Description	Quantity	
			Trade	Code	No.	]	No.	ID	No.	ID	Code			
08:00 - 18:00	Area A - DN1800 Stormwater Drain	Excavating trench along shoring line to remove boulders Driving sheetpiles for shoring of launching pit	Labourer (male)	C406	2	Backhoe	1	EX45						
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe with Vibrating Hammer	1	EX48						
			Plant and Equipment Operator (Hoist and Crane)	C334	1					1		······································		
08:00 - 18:00	Area A - Pump Station	Excavating for ground beams AB2, AB4 & AB13 Cleaning up sediments from wheel washing bay Preparating C.J. on slab for walls of store room, toilet, W16 & W17 by high pressrue water jet Cart away debris to WENT (1 Truckload)	Labourer (female)	C406	2	Backhoe		EX28						
			Labourer (male)	C406	1	Grab Lorry	1			1	1	·····		
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Steel Bending Machine	1		3		h		1	
			Plant and Equipment Operator (Hoist and Crane)	C334	1	Water Pump 50mm	2			1				
						Water Pump 75mm	1							
 	Area A - Pump Station - Box Culvert	No activity as per KLKJV arrangement												
07:00 - 18:00	Area A Ting Kak Road	Manual control of "stop/go" sign for traffic flow regulation (3 F/Lab.)	Laborate (francis)	0.107				<u> </u>	ļ		Į			
18:00 - 20:00		Manual control of temporary traffic light for traffic flow regulation (1 F/Lab.)	Labourer (female)	C406	3		_	<u> </u>	ļ					
08:00 - 18:00	Area A - Ting Kok Road (CH70-125)	Breaking up flexible carraigeway for Ø2100 pipe trench at Ch. 70~80 Cart away excavatied materials to Area B (2 Truckloads) Excavating to expose underground utilities along pipe trench	Labourer (male)	C406	2	Backhoe	1	EX39						
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe	1	1	1	EX42	h			
			Truck Driver	C349	1	Dump Truck	1							
						Water Pump 50mm	2							
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1							
08:00 - 18:00	Area B - Tung Tsz Nursery (CH130-CH280)	Bay 11, 12 & 13 - Excavating for box culvert and fabricating 2nd layer I-beam struts for shoring	General Welder	C318	]	Backhoe			1	EX47	h			
			Labourer (male)	C406	3	Backhoe	1	EX49			·····			
	1		Plant & Equipment Operator (Earthmoving Machinery)	C333		Backhoe	1	EX50						
						Generator	1	<u> </u>		1				
						Oxy-Acetylene	1			1				
						Welding Set	1			1				
08:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	Bay 5 & 6 - Backfilling and compacting sand material between box culvert and trench shoring	Labourer (male)	C406	2	Backhoe	1	EX46						

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	
	Engineer's Representative
Name/Post:	Eddie Luk / Resident Engineer
Date:	

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

Date:

22/6/2012

Date:

Contract No.: DC/2009/22 Date: 21/06/2012

Day: Thursday

22 - E IOW

Tso Sai Kuen / Inspector of Works

22/6/2012

Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Pla	Plant				Material Delivered		
						Туре	Wa	rking		Idling		Description	Quantity	
			Trade	Code	No.		No.	ID	No.	ID	Code			
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Generator	1	1		1				
					1	Oxy-Acetylene			1	1	h			
					1	Water Pump 50mm	1	1	1	1				
					1	Water Pump 75mm	1	1	1					
						Welding Set			1		h		1	
08:00 - 18:00	A D. T T													
08:00 - 18:00	Area B - Tung Tsz Nursery (Jacking Pit)	Excavating for jacking pit to formation level and fabricating 3rd layer I-beam struts for shoring	General Welder	C318		Backhoe	***		1	EX25	h			
			Labourer (male)	C406	1	Backhoe	]	EX36	1	1				
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Generator	1	1						
						Oxy-Acetylene	1		1	1				
						Water Pump 50mm	1	1	1					
						Welding Set	1							
08:00 - 18:00	Area E - Siu Lek Yuen Rd.Playground	PL 1603.1 - Trench excavation and placing blinding concrete at Ch. 0~7.5	Labourer (male)	C406	2	Backhoe		EX21						
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Generator	1	1	1				-	
				1		Oxy-Acetylene		1	1		h			
						Water Pump 50mm	1		<u> </u>				1	
						Water Pump 75mm	1							
					L									
	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement												
	Area G - Ngan Shing St.	No activity as per KLKJV arrangement		-	-			1	<u> </u>					
****								+						
08:00 - 18:00	Area I - Contractor Office	Office cleaning	Labourer (male)	C406	1									

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:

Date:

Name/Post:

Engineer's Representative

Eddie Luk / Resident Engineer

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

Date:

22/6/2012

:

Date:

Contract No.: DC/2009/22

Date: 21/06/2012

Day: Thursday

'Se E IOW

Tso Sai Kuen / Inspector of Works

22/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1

Contractor: KWAN LEE - KULY JOINT VENTURE

#### Typhoon / Warning Signal:

Thunderstorm Warning - 00:00~09:30, 13:05~14:30 & 22:10~23:30

Cloudy Shower

<u>PM</u>

Rainfall (mm)

ST 2, TP 20

(Hong Kong Observatory's record)

Weather:

<u>AM</u>

Instructions to Contractor	Contractor's Site Staff No.	Labour	Code	No.	Labour	Code	No.	Plant	
(Record verbal instructions given)							,		
	Assistant Surveyor	Asphalter (Other Construction)	C301		Chainman	C401		Туре	No. Working No. Id
	Chainman 3	Asphalter (Roadworks)	C302	1	Concreting Labourer	C402		Backhoe	7 3
	Community Liaison Officer	Bamboo Scaffolder	C303	2	Diver's Linesman / Dredger Crew / Barge Crew	C403		Backhoe with Vibrating Hammer	2
	CEG 1	Bar Bender & Fixer	C304	5	Excavator	C404		Crane Lorry	2
	Contract Manager 1	Bricklayer	C305		Heavy Load Labourer	C405		Generator	4
Comments by Engineer's / Contractor's Representative	Engineer	Carpenter (Fender)	C306		Labourer (male / female) / Lorry checker / Watchman Office atten		15	Grab Lorry	
	Environmental Officer 1	Carpenter (Formwork)	C307		Sewerman	C407		Oxy-Acetylene	1 2
	Foreman/Assistant Foreman 2	Concrete Repairer	C308		Automation Equipment Mechanic	E301		Steel Bending Machine	3
	General Foreman	Concretor	C309	!	Building Services Mechanic	E302		Water Pump 50mm	Q
	Labour Officer 1	Construction Plant Mechanic	C310	· 1	Cable Jointer (Power)	E303		Water Pump 75mm	2
	Land Surveyor	Curtain Wall Installer	C311		Carpenter	E304		Welding Set	2
	Project Director 1	Demolition Worker	C312	. 1	Electrician/Electrical Fitter	E305		weinnig bet	· · · · · · · · · · · · · · · · · · ·
Utilities	Project Manager 2	Diver	C313		Fire Services Mechanic	E305			
(Record location & nature of works)	Project Quantity Surveyor 1	Drainlayer	C314	1	Instrument Mechanic	E300			
	Quantity Surveyor	Electrician (Main Contractor's)	C315		Lift Electrician	E307		· · · · · · · · · · · · · · · · · · ·	
	Safety Officer				Lift Mechanic		-		
		Floor Layer	C316			E309			
	Site Agent 1	Gas Plumber	C317		Mechanical Fitter	E310			
	Surveyor 1	General Welder		. 2	Overhead Linesman	E311		· · · · · · · · · · · · · · · · · · ·	
		Glazier	C319		Painter	E312			
		Ground Investigation Operator/Driller/Borer	C320		Plumber and Pipe Fitter	E313			
		Grouting Worker	C321		Refrigeration/AC/Ventilation Mechanic	E314			· · · · · · · · · · · · · · · · · · ·
		Joiner	C322		Sheet Metal Worker	E315		<b>] ]</b>	
		Leveller	(323		Sign Fabricator	E316			
		Marble Worker	C324		Sign Installer	E317			:
		Marine Construction Plant Operator	C325		Thermal Insulation Craftsman	E318			
Progress		Mason	C326		Welder	E319			
(Mention briefly any matter delaying or obstructing progress)		Metal Scaffolder	C327		Labourer	E401			······································
		Metal Worker	C328	1	Semi-skilled Worker	E402			
		Painter & Decorator	C329		Technician	T			
		Piling Operative	C330	[					44 A
		Pipelaver	C331					· · · · · · · · · · · · · · · · · · ·	
	······································	Plant and Equipment Operator (Builder's Lift and Other Machine			······································				
Visitor		Plant & Equipment Operator (Earthmoving Machinery)		8					
(Record names of visitors and time of visit)		Plant and Equipment Operator (Hoist and Crane)		· I	· · · · · · · · · · · · · · · · · · ·				
		r rand and Equipment Operator (Hoist and Crane)		.5		+ ÷			
	· · · · · · · · · · · · · · · · · · ·	Plant and Equipment Operator (Piling)	C335	· · · · · · · · · · · · · · · · · · ·					1
	2 · · · · · · · · · · · · · · · · · · ·	Plant and Equipment Operator (Tunnelling)	C336						
		Plasterer	C337						· · · · · · · · · · · · · · · · · · ·
		Plumber	C338						
Accidents		Pneumatic Driller	C339						
(Describe any occurance of accident)		Prestressing Operative	<u>C340</u>						
		Rigger Metal Formwork Erector	C341						
		Shotcretor	C342			. 1 1			
		Shotfirer	C343						
		Slope Maintenance Worker	C344			1			
		Structural Steel Erector	C345						
Remarks		Structural Steel Welder	C346						
SSEMC Meeting #28 was held at 16:00 hr.		Tiler	C347						· · ·
		Trackworker	C348						· · · · · ·
		Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C349		· · · · · · · · · · · · · · · · · · ·				
		Window Frame Installer	C350	I			· · · · ·		
	Total 19					i		I	
			1					· · · · · · · · · · · · · · · · · · ·	
	Assistance to Engineer No.		· · · · · · · · · · · · · · · · · · ·		and and the second second second second second second second second second second second second second second s				
	A mab								÷
	Amah		· • • • • • • • • • • • • • • • • • • •		······				į
	Coordinate Engineer 1				P. L., #1. 10. 10. 10. 10. 10. 10. 10. 10. 10. 1			l pravi and a star a second	
	Drafting Assistant 1		4 4.	1	· · · · ·	, ;			· · · · · · · · · · · · · · · · · · ·
	Driver 2							<b>1</b>	
	Field Assistant 3	II							
	Office Assistant 1		i	1					
	Watchman 1								
	Total 10	(To be continued)			Total Labour		38	Total	30 8
								······	• • • •

* Working ganger is equivalent to ordinary worker in the trade in which he is employed or, if the trade is not listed, truck driver (refer to GS Table 1.1) Day's record and instructions checked and agreed	Signed: Engineer's Representative

Signed: Contractor's Representative

Name/Post: Eddie Luk/Resident Engineer

Date:

Date:

25/6/2012

Wong Ching Lung / Site Agent

Original - ER's File Duplicate - Contractor

### Contract No.: DC/2009/22 Date: 22/06/2012 Day: Friday

Signed:

IOW

Tso Sai Kuen / Inspector of Works

Date:

25/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task ('ompleted g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour					Material De	livered				
						Туре	Wo	rking	Idling			Description	Quantity
			Trade	Code	No.	1	No.	ID	No.	ID	Code		
08:00 - 18:00	Area A - DN1800 Stormwater Drain	Driving sheetpiles for shoring of Ø1800 pipe trench	Labourer (male)	C'406	2	Backhoe with Vibrating Hammer	1	EX48					
			Plant and Equipment Operator (Hoist and Crane)	C334	1			1		1			
22.22.12.22													
08:00 - 18:00	Area A - Pump Station	Excavating to formation level for ground beams AB1~AB4 Backfilling to form working platform between transformer room & box culvert for 1200Ø pipe construction Cleaning up sediments from wheel washing bay Rebars fixing for walls W16 & W17 Erecting bamboo working platform inside transformer room for finishing works	Bamboo Scaffolder	C303	2	Backhoe	1	EX28					
			Bar Bender & Fixer	C304	5	Backhoe	1	EX45				·····	
			Labourer (female)	C406	2	Crane Lorry	1	T	1	1		······································	
			Labourer (male)	C406	1	Grab Lorry	1	1	1	1			
			Plant & Equipment Operator (Earthmoving Machinery)	C333	2	Steel Bending Machine		1	3		h		
			Plant and Equipment Operator (Hoist and Crane)	C334	2	Water Pump 50mm	2	1					
					<u> </u>	Water Pump 75mm	1	1	1				1
				1				1					
	Area A - Pump Station - Box Culvert	No activity as per KLKJV arrangement											
07:00 - 18:00	Area A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation (3 F/Lab.)	Labourer (female)	C'406	3								
18:00 - 20:00		Manual control of temporary traffic light for traffic flow regulation (1 F/Lab.)						<u> </u>		ļ			
08:00 - 18:00	Area A - Ting Kok Road	Excavating to expose underground utilities along drain pipe trench	Labourer (male)	C406		D11	<u> </u>	-					
00.00 10.00	(CH70-125)	excurraning to expose underground dentities along drain pipe reaction		0406	2	Backhoe	I	EX39					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	2	Backhoe	1	EX42		t		······	
						Water Pump 50mm	2	1	[		1		
ļ													
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1						
ļ													1
08:00 - 18:00	Nursery (CH130-CH280)	Bay 11, 12 & 13 - Excavating for box culvert and fabricating 2nd layer I-beam struts for shoring Cart away excavated material to temporary stockpiled areas at D.D.12, Tung Tze Road (22 truckloads) Bay 10 - Driving sheet piles for shoring of box culvert trench	General Welder	C318	1	Backhoe	1	EX49					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	2	Backhoe	1	EX50					
			Plant and Equipment Operator (Hoist and Crane)	C334	I	Backhoe with Vibrating Hammer	1	EX47					
						Generator	1						
						Welding Set	1	1					1
i							1	1					1

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:

Engineer's Representative

Eddie Luk / Resident Engineer Name/Post: Date:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

Date:

Signed:

25/6/2012

Date:

Contract No.: DC/2009/22 Date: 22/06/2012

Day: Friday

646 IOW

Tso Sai Kuen / Inspector of Works

25/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Pla	nt			T	Material Delivered		
						Туре	Wo	rking		Idling		Description	Quantity	
			Trade	Code	No.	lo.	No.	ID	No.	ID	Code	-		
08:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	Bay 5 & 6 - Backfilling and compacting sand materials between box culvert and trench shoring	Labourer (male)	C'406	2	Backhoe		1	1	EX46				
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Generator	1		1	1			-	
					1	Oxy-Acetylene		1	1		h	······	1	
						Water Pump 50mm	1	1			Į I		1	
						Water Pump 75mm	1		1					
08:00 - 18:00	Area B - Tung Tsz Nursery (Jacking Pit)	Excavating for jacking pit to formation level and fabricating 3rd layer I-beam struts for shoring	General Welder	C318	1	Backhoe				EX25	h	· · · · · · · · · · · · · · · · · · ·	1	
			Labourer (male)	C406	T	Backhoe	1	EX36					+	
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Generator	1	1	1	1			1	
						Oxy-Acetylene	1	1		1				
						Water Pump 50mm	1						1	
						Welding Set	1		ļ					
08:00 - 18:00	Area E - Siu Lek Yuen Rd.Playground	PL 1603.1 - Laying and jointing 1650 concrete pipes at Ch. 0~5	Drainlayer	C314	1	Backhoe			1	EX21	h			
			Labourer (male)	C406	2	Crane Lorry	1	1	1				1	
			Plant and Equipment Operator (Hoist and Crane)	C334	I	Generator	1	1	1				+	
						Oxy-Acetylene			1		h			
						Water Pump 50mm	]							
						Water Pump 75mm	1	<u> </u>	ļ	ļ				
	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement												
	Area G - Ngan Shing St.	No activity as per KLKJV arrangement												
	Area I - Contractor Office	No activity as per KLKJV arrangement												

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Engineer's Representative

Eddie Luk / Resident Engineer Name/Post: Date:

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

25/6/2012

Date:

Contract No.: DC/2009/22 Date: 22/06/2012

Day: Friday

IOW

Tso Sai Kuen / Inspector of Works

25/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1

Contractor: KWAN LEE - KULY JOINT VENTURE

Thunderstorm Warning - 21:15~23:15

<u>AM</u> <u>PM</u>

Shower Cloudy

Weather:

(Hong Kong Observatory's record)

Rainfall (mm)

ST 0.5, TP 2

Instructions to Contractor	Contractor's Site Staff No	. Labour	Code No.	Labour	Code No.
(Record verbal instructions given)					
		Asphalter (Other Construction)	C301	Chainman	C401
		Asphalter (Roadworks)	C302	Concreting Labourer	C402
		Bamboo Scaffolder Bar Bender & Fixer	C303	Diver's Linesman / Dredger Crew / Barge Crew	C403
		Bricklayer	C304 C305	Excavator Heavy Load Labourer	C404
Comments by Engineer's / Contractor's Representative		Carpenter (Fender)	C305	Labourer (male / female) / Lorry checker - Watchman/Office atte	C405
commentar of president a contractor a representative		Carpenter (Fender)	C305		
		Concrete Repairer	C308	Sewerman Automation Equipment Mechanic	<u>C407</u>
		Concretor	C309	Building Services Mechanic	E301 E302
		Construction Plant Mechanic	C310	Cable Jointer (Power)	E302
		Curtain Wall Installer	C311	Carpenter	E303
		Demolition Worker	C312	Electrician/Electrical Fitter	E305
Utilities		Diver	C313	Fire Services Mechanic	E306
(Record location & nature of works)		Drainlayer	C314	Instrument Mechanic	E307
		Electrician (Main Contractor's)	C315	Lift Electrician	E308
		Floor Layer	C316	Lift Mechanic	E309
		Gas Plumber	C317	Mechanical Fitter	E310
		General Welder	C318	Overhead Linesman	E311
		Glazier	C319	Painter	E312
		Ground Investigation Operator/Driller/Borer	C320	Plumber and Pipe Fitter	E313
		Grouting Worker	C321	Refrigeration/AC/Ventilation Mechanic	E314
		Joiner	C322	Sheet Metal Worker	E315
	· · · ·	Leveller	C323	Sign Fabricator	E316
		Marble Worker	C324	Sign Installer	E317
		Marine Construction Plant Operator	C325	Thermal Insulation Craftsman	E318
Progress		Mason	C326	Welder	E319
(Mention briefly any matter delaying or obstructing progress)		Metal Scaffolder	C327	Labourer	E401
		Metal Worker	C328	Semi-skilled Worker	E402
		Painter & Decorator	C329	Technician	T
		Piling Operative	C330		
		Pipelayer	C331		
Visitor		Plant and Equipment Operator (Builder's Lift and Other Machinery)	C332		
(Record names of visitors and time of visit)		Plant & Equipment Operator (Earthmoving Machinery)	C333		
		Plant and Equipment Operator (Hoist and Crane)	C334		
		Plant and Equipment Operator (Piling)	C335		
		Plant and Equipment Operator (Tunnelling)	C336		
	·····	Plasterer	C337		
		Plumber	C338		
Accidents		Pneumatic Driller	C339		
(Describe any occurance of accident)		Prestressing Operative	C340		
		Rigger/Metal Formwork Erector	C341		
	· · · · · · · · · · · · · · · · · · ·	Shotcretor	C342		
		Shotfirer	C343		
		Slope Maintenance Worker	C344	·····	a jaa ja
Remarks	-	Structural Steel Erector	C345		
Site closed - Public Holiday (Tung Ng Festival)		Structural Steel Welder	C346		
interested + Fubite Honday (Fulle Net Festivaly		Tiler	C347		
		Trackworker Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C348		
		Window Frame Installer	C349		
	Total	window Frame Installer	C350		
				· · · · ·	
	Assistance to Engineer No.				
	Driver		- [		
	Driver 1	-			
	Watchman 1				
	11				
		·	- 1 - I		
	Total 7	(To be continued)	·	0- (-1) - b	· · · · · · · · · · · · · · · · · · ·
L	Total 2	(To be continued)	J	Total Labour	4

* Working ganger is equivalent to ordinary worker in the trade in which	ch
he is employed or, if the trade is not listed, truck driver	
(refer to GS Table 1.1)	

Day's record and instructions checked and agreed

Signed:

Engineer's Representative

Name/Post: Eddie Luk/Resident Engineer

Date:

Wong Ching Lung / Site Agent

Signed:

Date:

25/6/2012

Contractor's Representative

Original - ER's File Duplicate - Contractor

### Contract No.: DC/2009/22 Date: 23/06/2012

Day: Saturday

Plant		
Туре	No. Working	No. Idle
		10
ackhoe with Vibrating Hammer enerator		2 4
xy-Acetylene	÷	1
teel Bending Machine		3
/ater Pump 50mm /ater Pump 75mm	5	2
	1	I
· ······ ·		
	1	
	: {.	
·······	• ··· · · · · · · · · · · · · · · · · ·	
· · · · · · · · · · · · · · · · · · ·		
·······	1 •	•••
	}	
· · · · ·		
	:	
	• •• •• ••	
: 		
· ·····		
· · · · · · · · · · · · · · · · · · ·		
		1
ital	6	23
	×	

Signed:

Date:

IOW

Tso Sai Kuen / Inspector of Works

25/6/2012

Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour	Labour			Plant					Material Delivered	
						Туре	Wo	rking	1	Idling		Description	Quantity
			Trade	Code	No.		No.	ID	No.	ID	Code		
	Area A - DN1800	No activity as per KLKJV arrangement				Backhoe with Vibrating			1	EX48	i		1
	Stormwater Drain				<u> </u>	Hammer					<b> </b>		
	Area A - Pump Station	No activity as per KLKJV arrangement			<u> </u>	Backhoe	·		+	EVAD	<u> </u>		
	Alca A - rump station				<u> </u>	Backhoe				EX28	i		
					<u> </u>		_	<u> </u>	<u> </u>	EX45	1		
					<u> </u>	Steel Bending Machine	<u> </u>		3		i		<u> </u>
						Water Pump 50mm	2	<u> </u>			ļ		
						Water Pump 75mm	1		<u> </u>		<b> </b>		
	Area A - Pump Station -	No activity as per KLKJV arrangement								1			
	Box Culvert	• • •			L								
07:00 - 18:00 18:00 - 23:00	Area A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation Manual control of temporary traffic light for traffic flow regulation (1 male labourer from Area I)	Labourer (female)	C406	3	Backhoe			I	EX39	i		
						Backhoe	1	1	1	EX42	i		1
						Water Pump 50mm	2					·····	
					<u> </u>								
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	I						
					<u> </u>				ļ				
	Area B - Tung Tsz Nursery (CH130-CH280)	No activity as per KLKJV arrangement			ļ	Backhoe	_			EX49	1		
					ļ	Backhoe			1	EX50	i		
						Backhoe with Vibrating			1	EX47	1		
						Hammer Generator			1		i		
								<u>†                                    </u>	+	+			
	Area B - Tung Tsz Nursery (CH40-CH130)	No activity as per KLKJV arrangement				Backhoe			1	EX46	i		
······			·····		<u> </u>	Generator		<u> </u>	1	+	í		1
					<u> </u>	Water Pump 50mm	-	1	1	1	j		-
						Water Pump 75mm	-	1		1	i		1
·····		++++++++++++++++++++++++++++++++++++++			<u>†</u>	· · · · · · · · · · · · · · · · · · ·		1	1	+			1
	Area B - Tung Tsz Nursery (Jacking Pit)	No activity as per KLKJV arrangement				Backhoe			1	EX25	i		-
						Backhoe			1	EX36	i		
						Generator		1	1	]	i		1
						Oxy-Acetylene			1		i		
						Water Pump 50mm			1		i		1
									1	ľ			1

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	
E	Ingineer's Representative
Name/Post:	Eddie Luk/Resident Engineer
Date:	

Contractor's Representative

Wong Ching Lung / Site Agent

25/6/2012

Date:

Signed:

Date:

Signed:

Day: Saturday

46 6 IOW

Tso Sai Kuen / Inspector of Works

24/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Plai	nt				Material De	livered
						Туре	Wo	rking		Idling		Description	Quantity
			Trade	Code	No.	1	No.	ID	No.	ID	Code		
	Area E - Siu Lek Yuen Rd.Playground	No activity as per KLKJV arrangement				Backhoe			1	EX21	i		
	-					Generator			1		i		
	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement											
	Area G - Ngan Shing St.	No activity as per KLKJV arrangement											
08:00 -18:00	Area I - Contractor Office	Office cleaning and site patro!	Labourer (male)	C406									

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:		
E	ingineer's Representative	
Name/Post:	Eddie Luk/Resident Engineer	
Date:		

Signed:

Z Contractor's Representative

Signed:

Wong Ching Lung / Site Agent 25/6/2012

Date:

Date:

Contract No.: DC/2009/22 Date: 23/06/2012

Day: Saturday

Qa IOW

Tso Sai Kuen / Inspector of Works

25/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1

Contractor: KWAN LEE - KULY JOINT VENTURE

Weather:			Typhoon / Warning Signal:
<u>AM</u>	<u>PM</u>	Rainfall (mm)	
Shower	Cloudy	ST 5, TP 5	

Shower Cloudy

(Hong Kong Observatory's record)

Instructions to Contractor (Record verbal instructions given)	Contractor's Site Staff No.	Labour	Code No.	Labour	Code No.	٦Г
(Record verbal instructions given)		Asphalter (Other Construction)	C301		0401	
		Asphalter (Roadworks)	C302	Chainman Concreting Labourer	C401 C402	┥┠
		Bamboo Scaffolder	C303	Diver's Linesman / Dredger Crew / Barge Crew	C402 C403	B
		Bar Bender & Fixer	C304	Excavator		В
	· · · · · · · · · · · · · · · · · · ·	Bricklaver	C305	Heavy Load Labourer	C404	ģ
Comments by Engineer's / Contractor's Representative		Carpenter (Fender)	C306	Labourer (male / female) / Lony checker / Watchman/Office atter	C405	_  p
		Carpenter (Formwork)	C307		······································	S
		Concrete Repairer	C308	Sewerman	<u>C407</u>	M
		Concretor		Automation Equipment Mechanic	E301	.   M
		Construction Plant Mechanic	C309	Building Services Mechanic	E302	
		Curtain Wall Installer	C310	Cable Jointer (Power)	E303	~    -
			C311	Carpenter	E304	
Utilities		Demolition Worker	C312	Electrician/Electrical Fitter	E305	
(Record location & nature of works)	·····	Diver	C313	Fire Services Mechanic	E306	
		Drainlayer	C314	Instrument Mechanic	E307	_
		Electrician (Main Contractor's)	C315	Lift Electrician	E308	
		Floor Layer	C316	Lift Mechanic	E309	
	: 	Gas Plumber	C317	Mechanical Fitter	E310	
	· · · · · · · · · · · · · · · · · · ·	General Welder	C318	Overhead Linesman	E311	
		Glazier	C319	Painter	E312	
	4.	Ground Investigation Operator/Driller/Borer	C320	Plumber and Pipe Fitter	E313	71
		Grouting Worker	C321	Refrigeration/AC/Ventilation Mechanic	E314	11
		Joiner	C322	Sheet Metal Worker	E315	11
	:	Leveller	C323	Sign Fabricator	E316	-11
		Marble Worker	C324	Sign Installer	E317	-11
		Marine Construction Plant Operator	C325	Thermal Insulation Craftsman	E318	
Progress		Mason	C326	Welder		-
(Mention briefly any matter delaying or obstructing progress)		Metal Scaffolder	C320	Labourer	E319	
		Metal Worker			E401	
	· · · · · · · · · · · · · · · · · · ·		C328	Semi-skilled Worker	E402	-    -
		Painter & Decorator	C329	Technician	T	.
		Piling Operative	C330			-11
		Pipelayer	C331			
Visitor		Plant and Equipment Operator (Builder's Lift and Other Machinery)				
(Record names of visitors and time of visit)		Plant & Equipment Operator (Earthmoving Machinery)	C333			
Accord manes of Portors and male of Harry		Plant and Equipment Operator (Hoist and Crane)	C334			
		Plant and Equipment Operator (Piling)	C335			
		Plant and Equipment Operator (Tunnelling)	C336			11
		Plasterer	C337			11
		Plumber	C338			11
Accidents		Pneumatic Driller	C339		· · · · · ·	
(Describe any occurance of accident)		Prestressing Operative	C340	anda ayaya takan anda ayaya takan ayaya takan ayaya takan ayaya takan ayaya takan ayaya takan ayaya takan ayay		
trescribe any occurance of accidenti		Rigger/Metal Formwork Erector	C341			-   -
		Shotcretor	C341			
	and the second sec	Shotfirer	C342 C343	a de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la		
		Slope Maintenance Worker			: · · · ·	-
			C344	· · · · · · · · · · · · · · · · · · ·	- į. •	
Remarks		Structural Steel Erector	C345			44
NEW41 M		Structural Steel Welder	C346			41
		Tiler	C347			
		Trackworker	C348			.11
	<b>I I </b>	Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C349			
		Window Frame Installer	C350			_  [
	Total				; ;	Π
	Assistance to Engineer No.					
	No.					
	Driver 1			······································		11
	Watchman		· · · · · · · · · · · · · · · · · · ·			11
						+1
						Ŧŀ
				· · · · · · · · · · · · · · · · · · ·		
				l		-
					•• •	
					and an an an an an	
	Total 2	(To be continued)		Total Labour	4	ιn

Working ganger is equivalent to ordinary worker in the trade in which he is employed or. if the trade is not listed, truck driver (refer to GS Table 1.1)

Day's record and instructions checked and agreed

Signed:

**Engineer's Representative** 

Name/Post: Eddie Luk/Resident Engineer

Date:

Date:

Signed:

2516/2012

Contractor's Representative

Wong Ching Lung / Site Agent

### Contract No.: DC/2009/22 Date: 24/06/2012 Day: Sunday

Plant		
Туре	No. Working	No. Idle
althoa		10
		2
enerator xy-Acetylene		4I
eel Bending Machine		3
ater Pump 50mm	5	2
ater Pump 75mm		1
		· · · · · · · · · · · · · · · · · · ·
	· ·····	
· ·		
	• • • • • • • • • • • • • • •	
····		
· · · · · · · · · · · · · · · · · · ·		
- - 		
	į	
**************************************		
· · · · · · · · · · · · · · · · · · ·		
tal	6	23

Signed:

IOW

Tso Sai Kuen / Inspector of Works

Date:

25/6/2012

Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Activity Labour Plant										
		Advity	Labour	Labour								Material De	
			~ .		<del></del>	Туре	<u> </u>	rking		Idling		Description	Quantity
	Area A - DN1800		Trade	Code	No.		No.	ID	No.	ID	Code		
	Stormwater Drain	No activity as per KLKJV arrangement				Backhoe with Vibrating Hammer			1	EX48	i		
·····					+	ranimer		<u> </u>	+	-	<u> </u>		
	Area A - Pump Station	No activity as per KLKJV arrangement			+	Backhoe		1	+	EX28			
					+	Backhoe	-	+	1	EX45			-
					1	Steel Bending Machine			3				
					<u> </u>	Water Pump 50mm	2				<u> </u>		
					1	Water Pump 75mm	1	1	1		$\vdash$		
					<u> </u>	1			+				
	Area A - Pump Station - Box Culvert	No activity as per KLKJV arrangement			1	-	-	1	1				+
	Box Current						_		<u> </u>	-	┠────┼		
07:00 - 18:00	Area A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation	Labourer (female)	C406	1 3	Backhoe				EX39			
18:00 - 20:00		Manual control of temporary traffic light for traffic flow regulation (1 male labourer from Area I)		0.400		Dackhoe			,	EAJY			
						Backhoe			1	EX42	i		
						Water Pump 50mm	2		1	1			
								1					
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1						
										1			1
	Area B - Tung Tsz Nursery (CH130-CH280)	No activity as per KLKJV arrangement				Backhoe			1	EX49	i		
						Backhoe		1	1	EX50	i		1
						Backhoe with Vibrating Hammer		1	1	EX47	1		
					1	Generator	1	t	1		i		
							1	1	1	1			<b>-</b>
	Area B - Tung Tsz Nursery (CH40-CH130)	No activity as per KLKJV arrangement				Backhoe			1	EX46	i		
					1	Generator	1	<u> </u>	1	1	i		
					1	Water Pump 50mm	-	1	1	1	i		
						Water Pump 75mm	1		1	1	i		
									1	1			
	Area B - Tung Tsz Nursery (Jacking Pit)	No activity as per KLKJV arrangement				Backhoe			1	EX25	i		
						Backhoe			1	EX36	i		1
						Generator			1		i		
						Oxy-Acetylene			1		i		
	ļ					Water Pump 50mm			1		i		1
<u>-</u>									T				1

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	
	Engineer's Representative

Name/Post:

Date:

Eddie Luk/Resident Engineer

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent 25/6/2012 Date:

Date:

Contract No.: DC/2009/22 Date: 24/06/2012

Day: Sunday

XG IOW

Tso Sai Kuen / Inspector of Works

25/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour	Labour				Plant						
							Working		I	Idling		Description	Quantity	
			Trade	Code	No.		No.	ID	No.	ID	Code			
	Area E - Siu Lek Yuen Rd.Playground	No activity as per KLKJV arrangement				Backhoe			1	EX21	i		1	
					<b></b>	Generator			I		i			
	Area F - Lek Yuen Street	No activity as per KLKJV arrangement						<u> </u>	<u> </u>	<u> </u>				
	Rest Garden													
	Area G - Ngan Shing St	No activity as per KLKJV arrangement						<u> </u>						
								<u> </u>		+			_	
08:00 - 18:00	Area I - Contractor Office	Office cleaning and site patrol	Labourer (male)	C406	1								1	

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	
	Engineer's Representative
Name/Post:	Eddie Luk/Resident Engineer
Date:	

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent 25/6/2012

Date:

Date:

Contract No.: DC/2009/22 Date: 24/06/2012

Day: Sunday

26 0 IOW

Tso Sai Kuen / Inspector of Works

25/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract I

Contractor: KWAN LEE - KULY JOINT VENTURE

Typhoon /	Warning Signal:
-----------	-----------------

Weather:

AM PM Rainfall (mm)

ST 2, TP 0.5

Cloudy Cloudy

(Hong Kong Observatory's record)

Instructions to Contractor	Contractor's Site Staff No.	Labour	Code	No.	Labour	Code	No.	Pla Pla	nt	
(Record verbal instructions given)	Assistant Surveyor	A sphaltur (Other Construction)	C120.1		······································					
	Chainman 3	Asphalter (Other Construction) Asphalter (Roadworks)	C301		Chainman	C401		Туре	No. Working	No. Id
			C302		Concreting Labourer	C402		Backhoe		. 2
	Community Liaison Officer 1	Bamboo Scaffolder	C303		Diver's Linesman / Dredger Crew / Barge Crew	C403		Backhoe with Vibrating Hammer		1
	CEG	Bar Bender & Fixer		5	Excavator	C404		Crane Lorry	1	
	Contract Manager 1	Bricklayer	C305		Heavy Load Labourer	C405		Generator	4	
Comments by Engineer's / Contractor's Representative	Engineer	Carpenter (Fender)	C306		Labourer (male / female) / Lorry checker / Watchman/Office atte	ndan C406	22	Mobile Crane	1	:
	Environmental Officer 1	Carpenter (Formwork)	C307		Sewerman	C407		Oxy-Acetylene	· 1	3
	Foreman/Assistant Foreman 2	Concrete Repairer	C308		Automation Equipment Mechanic	E301		Steel Bending Machine		3
	General Foreman 1	Concretor	C309	1	Building Services Mechanic	E302		Water Pump 50mm	8	·····* ···· ** ····
	Labour Officer 1	Construction Plant Mechanic	C310		Cable Jointer (Power)	E303		Water Pump 75mm	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
	Land Surveyor 1	Curtain Wall Installer	C311		Carpenter	E304		Welding Set	3	2
	Project Director 1	Demolition Worker	C312		Electrician/Electrical Fitter	E305		incluing Set		4
Utilities	Project Manager 2	Diver	C313		Fire Services Mechanic					
(Record location & nature of works)	Project Quantity Surveyor	Drainlayer	C314		Instrument Mechanic	E306		· · · · · · · · · · · · · · · · · · ·		· · · · · ·
	Quantity Surveyor	Electrician (Main Contractor's)	C314 C315		Lift Electrician	E307		{		
	Safety Officer 1			. [		E308				• · · · ·
	Site Agent 1	Floor Layer	C316		Lift Mechanic	E309				
		Gas Plumber	C317		Mechanical Fitter	E310		a second se		-
	Surveyor 1	General Welder			Overhead Linesman	E311				
		Glazier	C319		Painter	E312				
		Ground Investigation Operator/Driller/Borer	C320		Plumber and Pipe Fitter	E313				
		Grouting Worker	C321		Refrigeration/AC/Ventilation Mechanic	E314				
		Joiner	C322		Sheet Metal Worker	E315				
	· · · · · · · · · · · · · · · · · · ·	Leveller	C323		Sign Fabricator	E316				:
		Marble Worker	C324		Sign Installer	E317			-	
		Marine Construction Plant Operator	C325	]	Thermal Insulation Craftsman	E318			-	
Progress		Mason	C326		Welder	E319		11		
(Mention briefly any matter delaying or obstructing progress)		Metal Scaffolder	C327		Labourer	E401				
		Metal Worker	C328		Semi-skilled Worker	E402			······· • ····························	····· • • · · · · · · · · · · · · · · ·
		Painter & Decorator	C329	·	Technician	Т				
		Piling Operative	C330							÷
		Pipelayer	C331	•••••	2 · · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·		
		Plant and Equipment Operator (Builder's Lift and Other Machinery)	C332	•••••					·····	
Visitor		Plant & Equipment Operator (Earthmoving Machinery)		9						
(Record names of visitors and time of visit)		Plant and Equipment Operator (Hoist and Crane)		â	• • • • • • • • • • • • • • • • • • • •	÷.				÷
		Plant and Equipment Operator (Piling)	C335	· · · · · ·					<u>.</u>	
		Plant and Equipment Operator (Tunnelling)	C336							····
		Plasterer	C337	·· 1	····· · ······························					
		Plumber	C338						· · · · · · · · · · · · · · · · · · ·	
		Pneumatic Driller	C339		··· ·· ·	4				
Accidents	•••• 1 ································	Prestressing Operative	C340							·····
(Describe any occurance of accident)		Rigger/Metal Fornwork Erector	C341	{				· · · · · · · · · · · · · · · · · · ·		
		Shotcretor	C342							
		Shotfirer	C343	1						
		Slope Maintenance Worker	C344						·····	
		Structural Steel Erector		1	· · · · · · · · · · · · · · · · · · ·	- +				
Remarks			C345 C346						····· ·· <del>·</del> · · ·····	
I COART RD		Structural Steel Welder						· · · · · · · · · · · · · · · · · · ·	-	
		Tiler	C347							
		Trackworker Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C348							
	·····		C349		· · · · · · · · · · · · · · · · · · ·					
	Total 19	Window Frame Installer	C350						-	
			- · · ·			1				
	Assistance to Engineer No.	······································								
					······································					- 
	Amah 1									
	Coordinate Engineer 1					<u> </u>				
	Drafting Assistant 1		. i		··· .					
	Driver 2									
	Field Assistant 3	I			·					
		1		1	1					
	Office Assistant 1			1				<b>3</b>		
	Unice Assistant   1     Watchman   1     Total   10	· ·····								····•

* Working ganger is equivalent to ordinary worker in the trade in which
he is employed or, if the trade is not listed, truck driver
(refer to GS Table 1.1)

Day's record and instructions checked and agreed

Signed:

Engineer's Representative

Name/Post: Eddie Luk/Resident Engineer

Date:

Original - ER's File Duplicate - Contractor Date:

Signed:

2616/2012

Contractor's Representative

Wong Ching Lung / Site Agent

### Contract No.: DC/2009/22 Date: 25/06/2012

Day: Monday

Signed:

Ð *IOW* 

Tso Sai Kuen / Inspector of Works

Date:

26/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Pla	nt				Material De	livered
						Туре	Wo	rking	, Idling			Description	Quantity
			Trade	Code	No.		No.	ID	No.	ID	Code		
08:00 - 18:00	Area A - DN1800 Stormwater Drain	Driving sheetpiles for shoring of launching pit	Labourer (male)	C406	2	Backhoe with Vibrating Hammer	1	EX48					
			Plant and Equipment Operator (Hoist and Crane)	C334	1		1						
								1	1				1
08:00 - 18:00	Area A - Pump Station	Excavating to formation level for ground beams AB1~AB4 and AB11~AB13 Backfilling to form soil platform between transformer room & box culvert for 1200Ø pipe construction Cleaning up sediments from wheel washing bay Rebars fixing for walls W16 & W17 and columns CE1B &CE2B Patching up tie bolt hole on walls of transformer room	Bar Bender & Fixer	C304	5	Backhoe		EX28					
			Labourer (female)	C406	2	Backhoe		1	1	EX45			ł
			Labourer (male)	C406	3	Backhoe	1	EX50		1			
1			Plant & Equipment Operator (Earthmoving Machinery)	C333	2	Mobile Crane	1	1		1			1
			Plant and Equipment Operator (Hoist and Crane)	C334	1	Steel Bending Machine		1	3		h		
					1	Water Pump 50mm	2						1
					1	Water Pump 75mm	1	1	1	1			
								1					1
	Area A - Pump Station - Box Culvert	No activity as per KLKJV arrangement											
										<u> </u>			
07:00 - 18:00 18:00 - 20:00	Area A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation (3 F/Lab) Manual control of temporary traffic light for traffic flow regulation (1 F/Lab)	Labourer (female)	C406	3								
									<u> </u>	L			
08:00 - 18:00	Area A - Ting Kok Road (CH70-125)	Excavating trench along shoring line to remove obstruction	Labourer (male)	C'406		Backhoe		EX39				·····	
			Plant & Equipment Operator (Earthmoving Machinery)	C333	2	Backhoe	1	EX42					
					ļ	Water Pump 50mm	2						
j					L			<u> </u>		ļ			
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1						
00.00 10.00									<u> </u>	<u> </u>	<b> </b>		
08:00 - 18:00	Area B - Tung Tsz Nursery (CH130-CH280)	Bay 11, 12 & 13 - Excavating for box culvert and fabricating 2nd layer I-beam struts for shoring	General Welder	C318		Backhoe	1	EX25					
			Labourer (male)	C406		Backhoe	1	EX49	Ļ		ļ		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Plant & Equipment Operator (Earthmoving Machinery)	C333	2	Backhoe with Vibrating Hammer			1	EX23	h		
					ļ	Generator	1	Į	L				
						Oxy-Acetylene	1						
					ļ	Welding Set	I	<u> </u>	<u> </u>	<u> </u>			
	<u> </u>		<u> </u>		<u> </u>								
08:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	Bay 5 & 6 - Backing and compacting sand materials between box culvert and trench shoring	Labourer (male)	C406	3	Backhoe	1	EX46					

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Engineer's	Representative

Eddie Luk/Resident Engineer

Name/Post:

Date:

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

26/6/2012

Date:

Signed:

Date:

Contract No.: DC/2009/22 Date: 25/06/2012

Day: Monday

6 X IOW

Tso Sai Kuen / Inspector of Works

26/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Plai	nt				Material De	livered
				Туре	Wo	orking		Idling		Description	Quantity		
			Trade	Code	No.		No.	ID	No.	ID	Code		
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Generator	1	1	1	1			
						Oxy-Acetylene			1		h	······································	
						Water Pump 50mm	I		T				
						Water Pump 75mm	1						
						Welding Set			1		h		
08:00 - 18:00	Area B - Tung Tsz Nursery (Jacking Pit)	Excavating for launching pit and fabricating 3rd layer I-beam struts for shoring	General Welder	C318	1	Backhoe	1	EX36					
			Labourer (male)	C406	1	Generator	1						
ļ			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Oxy-Acetylene			1		h		
L						Water Pump 50mm	1			1			
						Welding Set	1						
08:00 - 18:00	Area E - Siu Lek Yuen Rd.Playground	PL 1603.1 - Backfilling and compacting type A & type B granular materials to surround the drain pipe at Ch. 0~5	Labourer (male)	C406	2	Backhoe			1	EX21	0		
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Generator	I						
						Oxy-Acetylene			1		h		
						Water Pump 50mm	1					······································	
						Water Pump 75mm	1						
						Welding Set			1		h		
					<b>_</b>	·							
	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement											
	Area G - Ngan Shing St.	No activity as per KLKJV arrangement											
								1		1			
08:00 -18:00	Area I - Site Accommodation	Delivery of construction materials from storage compound to varies works area.	Labourer (male)	C406	2	Crane Lorry	1					********	
			Plant and Equipment Operator (Hoist and Crane)	C334	1			t	1				1

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	
	Engineer's Representative
Name/Post:	Eddie Luk / Resident Engineer
Date:	

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

Date:

26/6/2012

Date:

Contract No.: DC/2009/22 Date: 25/06/2012

Day: Monday

6 IOW

Tso Sai Kuen / Inspector of Works

26/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1 Contractor: KWAN LEE - KULY JOINT VENTURE

Weather:			Typhoon / Warning Signal:
<u>AM</u>	<u>PM</u>	Rainfall (mm)	

ST 2, TP 2

Cloudy Shower

(Hong Kong Observatory's record)

Instructions to Contractor	Contractor's Site Staff No.	Labour	Code No.	Labour	Code No.	-
(Record verbal instructions given)			der einer der der der der der der der der der d		Cout 710.	
	Assistant Surveyor	Asphalter (Other Construction)	C301	Chainman	C401	
	Chainman 3	Asphalter (Roadworks)	C302	Concreting Labourer	C402	
	Community Liaison Officer 1	Bamboo Scaffolder	C303	Diver's Linesman / Dredger Crew / Barge Crew	C403	
	CEG	Bar Bender & Fixer	C304	Excavator	C404	
	Contract Manager	Bricklaver	C305	Heavy Load Labourer	C405	
Comments by Engineer's / Contractor's Representative	Engineer	Carpenter (Fender)	C306	Labourer (male : female) / Lorry checker / Watchman/Office attenda		
	Environmental Officer 1	Carpenter (Formwork)	C307 2	Sewerman	C407	-
	Foreman/Assistant Foreman 2	Concrete Repairer	C308	Automation Equipment Mechanic	E301	
	General Foreman 1	Concretor	C309	Building Services Mechanic	E302	
	Labour Officer 1	Construction Plant Mechanic	C310	Cable Jointer (Power)		
	Land Surveyor	Curtain Wall Installer			E303	
			(311	Carpenter	E304	
Utilities	Project Director 1	Demolition Worker	C312	Electrician/Electrical Fitter	E305	
(Record location & nature of works)	Project Manager 2	Diver	C313	Fire Services Mechanic	E306	-11
	Project Quantity Surveyor 1	Drainlayer	<u>C314</u>	Instrument Mechanic	E307	
	Quantity Surveyor	Electrician (Main Contractor's)	C315	Lift Electrician	E308	
	Safety Officer 1	Floor Layer	C316	Lift Mechanic	E309	
	Site Agent I	Gas Plumber	C317	Mechanical Fitter	E310	
	Surveyor	General Welder	C318 1	Overhead Linesman	E311	
		Glazier	C319	Painter	E312	
	:	Ground Investigation Operator/Driller/Borer	C320	Plumber and Pipe Fitter	E313	
		Grouting Worker	C321	Refrigeration/AC/Ventilation Mechanic	E314	1
		Joiner	C322	Sheet Metal Worker	E315	
		Leveller	C323	Sign Fabricator		
	· · · · · · · · · · · · · · · · · · ·	Marble Worker	C324		E316	
				Sign Installer	E317	· [
Progress	-	Marine Construction Plant Operator	C325	Thermal Insulation Craftsman	E318	
		Mason	C326	Welder	E319	
(Mention briefly any matter delaying or obstructing progress)		Metal Scaffolder	C327	Labourer	E401	
		Metal Worker	C328	Semi-skilled Worker	E402	
		Painter & Decorator	C329	Technician	Т	
		Piling Operative	C330			
		Pipelayer	C331			
	-	Plant and Equipment Operator (Builder's Lift and Other Machinery)	C332			
Visitor		Plant & Equipment Operator (Earthmoving Machinery)	C333 8		:	
(Record names of visitors and time of visit)		Plant and Equipment Operator (Hoist and Crane)	C334 3			ł
		Plant and Equipment Operator (Piling)	C335			
		Plant and Equipment Operator (Tunnelling)	C336	a summer of the second s		
		Plasterer	C337			
			and an an a state of the second s			-
	·····	Plumber	C338			
Accidents		Pneumatic Driller	C339			
(Describe any occurance of accident)		Prestressing Operative	C340			_
	· · · · · · · · · · · · · · · · · · ·	Rigger/Metal Formwork Erector	C341			
		Shoteretor	C342		· · · · · · · · · · · · · · · · · · ·	
		Shotfirer	C343			
		Slope Maintenance Worker	C344			
		Structural Steel Erector	C345			
Remarks		Structural Steel Welder	C346		· · · · · · · · · · · · · · · · · · ·	1
		Tiler	C347			
		Trackworker	C348	······ ·······························		1
		Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C349 2	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
		Window Frame Installer	C350 2			
	· · · · · · · · · · · · · · · · · · ·		- (330			-
	10			1		1
	Total 19		• ·		· · · · ·	
	Total         19           Assistance to Engineer         No.	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		
	Assistance to Engineer No.					
	Assistance to Engineer No. Amah 1					
	Assistance to Engineer No.					
	Assistance to Engineer No. Amah 1					
	Assistance to Engineer     No.       Amah     1       Coordinate Engineer     1       Drafting Assistant     1					
	Assistance to EngineerNo.Amah1Coordinate Engineer1Drafting Assistant1Driver2					
	Assistance to Engineer     No.       Amah     1       Coordinate Engineer     1       Drafting Assistant     1       Driver     2       Field Assistant     3					
	Assistance to Engineer     No.       Amah     1       Coordinate Engineer     1       Drafting Assistant     1       Driver     2       Field Assistant     3       Office Assistant     1					
	Assistance to Engineer     No.       Amah     1       Coordinate Engineer     1       Drafting Assistant     1       Driver     2       Field Assistant     3	To be continued)		Total Labour	40	

* Working ganger is equivalent to ordinary worker in the trade in which he is employed or, if the trade is not listed, truck driver (refer to GS Table 1.1)	Signed:	Engineer's Representative	Signed:
Day's record and instructions checked and agreed	Name/Post:	Eddie Luk / Resident Engineer	

Contractor's Representative

Wong Ching Lung / Site Agent

27 16/2012

Original - ER's File

Duplicate - Contractor

Date:

Date:

### Contract No.: DC/2009/22 Date: 26/06/2012

Day: Tuesday

.

Plant		
Туре	No. Working	
ackhoe ackhoe with Vibrating Hammer		3
rane Lorry	2	
ump Truck	1	
enerator	4	
nry 1.5 ton xy-Acetylene	1 1	3
eel Bending Machine	······	3
ater Pump 50mm	8	
ater Pump 75mm elding Set	3	2
· · · · · · · · · · · · · · · · · · ·		
- - 		
		1
······································		1
tal	30	<u>n</u>

Signed:

IOW

Tso Sai Kuen / Inspector of Works

Date:

27/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time Location Activity Labour Plant Working Туре Trade No. Code No. ID No Area A - DN1800 No activity as per KLKJV arrangement Stormwater Drain 08:00 - 18:00 Excavating for ground beams AB1~AB4 and AB11~AB13 and laying blinding concrete Area A - Pump Station C307 2 Backhoe arpenter (Formwork) 1 EX28 Backfilling to form platform between transformer room & box culvert for 1200Ø pipe construction ormwork shuttering for wall W16 of store room Labourer (female) C406 2 Backhoe Labourer (male) C406 5 Backhoe 1 EX50 Plant & Equipment Operator (Earthmoving Machinery) 2 C333 Steel Bending Machine Water Pump 50mm 2 Water Pump 75mm 1 13:00 - 18:00 Area A - Pump Station General housekeeping works (1 Truck driver, 4 M/Lab.) C406 Labourer (male) 2 Truck Driver C349 0.5 Area A - Pump Station -No activity as per KLKJV arrangement Box Culvert Area A - Ting Kok Road Manual control of "stop/go" sign for traffic flow regulation (3 F/Lab.) 07:00 - 18:00 Labourer (female) C406 3 18:00 - 20:00 Manual control of temporary traffic light for traffic flow regulation (1 F/Lan.) 08:00 - 18:00 Area A - Ting Kok Road Driving sheetpiles for shoring of Ø2100 pipe trench at Ch. 120~125 Labourer (male) C406 Backhoe EX39 1 Excavating trench along shoring line to remove boulders (CH70-125) Delivery of sheet pile on site Plant & Equipment Operator (Earthmoving Machinery) C333 Backhoe 1 lant and Equipment Operator (Hoist and Crane) C334 2 Backhoe with Vibrating EX48 1 Hammer Crane Lorry 1 Water Pump 50mm 2 Welding Set 1 08:00 - 12:00 Area A - Ting Kok Road Cleaning up debris from bar screen at inlet of existing box culvert at Wai Ha River - 1 Truck driver, 2 Labourer (male) C406 Lorry 1.5 ton 1 1 (Intake Structure) M/Lab. (V.O.04) Truck Driver C349 0.5 Water Pump 50mm 1 Area B - Tung Tsz 08:00 - 18:00 Bay 11, 12 & 13 - Excavating for box culvert and fabricating 2nd layer I-beam struts for shoring General Welder C318 EX25 1 Backhoe Nursery (CH130-CH280) Bay 10 - driving sheetpiles for shoring Cart away excavated material off site to stockpile area at D.D.12, Tung Tze Road(30 truckloads) C406 Labourer (male) 3 Backhoe EX47 ł Plant & Equipment Operator (Earthmoving Machinery) C333 EX23 2 Backhoe with Vibrating 0.5 Hammer

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:		Signed:
I	Engineer's Representative	
Name/Post:	Eddie Luk / Resident Engineer	
Date:		Date:

1 Contractor's Representative

27/6/2012

Signed: 🤇

Wong Ching Lung / Site Agent

Date:

Date:

Contract No.: DC/2009/22 Date: 26/06/2012

Day: Tuesday

			Material Delivered					
Idling			Description	Quantity				
0.	ID	Code						
	EX45	h						
			······································					
		h						
			······································					
		├ <b>├</b> -						
				<u></u>				
		-						
	EX42	h						
		<b> </b>						
		<b> </b>						
	II	l_		L				

626 IOW

Tso Sai Kuen / Inspector of Works

27/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour		Material De	Material Delivered							
						Туре	Wo	rking	ing Idling			ng Description	
			Trade	Code	No.		No.	ID	No.	ID	Code		
			Plant and Equipment Operator (Hoist and Crane)	C334	0.5	Generator	1	1	1				
						Oxy-Acetylene	1						
						Welding Set	1						
<del></del>													
)8:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	Bay 5 - Backfilling and compacting sand materials between box culvert and trench shoring Bay 6 - Extracting sheetpiles from trench shoring	Labourer (male)	C406	2	Backhoe	1	EX46					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe with Vibrating Hammer	0.5	EX23					
			Plant and Equipment Operator (Hoist and Crane)	C334	0.5	Generator	1						
						Oxy-Acetylene			1		h		
						Water Pump 50mm	1						
<u></u>					Į	Water Pump 75mm	1						
						Welding Set		<u> </u>	1		h		
					ļ			<u> </u>					
08:00 - 18:00	Area B - Tung Tsz Nursery (Jacking Pit)	Excavating for jacking pit to formation level	Labourer (male)	C'406	2	Backhoe	1 1	EX36					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	ł	Generator	1						
					ļ	Oxy-Acetylene		ļ	1		h		
					ļ	Water Pump 50mm	1						_
		······································				Welding Set			1		h		
8:00 - 12:00	Area C - Shallow Marshy Area	Fixing GMS struts to intermediate and corner post of chain link fence (2 M/Lab.)	Labourer (male)	C406	1								
			·····					1					
)8:00 - 18:00	Area E - Siu Lek Yuen Rd.Playground	PL 1603.1 - Excavating trench along shoring line to remove boulders Cart away excavated materials to area B (3 Truckloads)	Labourer (male)	C406	2	Backhoe			1	EX21	h		
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Dump Truck	1						
			Truck Driver	C349	1	Generator	1		[	Ι			1
						Oxy-Acetylene		1	1		h		1
		· ·				Water Pump 50mm	1						T
						Water Pump 75mm	1						
······································	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement											
	Area G - Ngan Shing St.	No activity as per KLKJV arrangement								<u> </u>			
			1										1
	Area I - Contractor Office	No activity as per KLKJV arangement					1						

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	
	Engineer's Representative
Name/Post:	Eddie Luk / Resident Engineer
Date:	

Signed: 7 Contractor's Representative

Signed:

Wong Ching Lung / Site Agent 27 16/2012

Date:

Contract No.: DC/2009/22 Date: 26/06/2012

Day: Tuesday

(d26IOW

Tso Sai Kuen / Inspector of Works

27/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1 Contractor: KWAN LEE - KULY JOINT VENTURE

Weather:

Typhoon / Warning Signal:

AM PM Shower Cloudy Rainfall (mm)

ST 2, TP 2

(Hong Kong Observatory's record)

Instructions to Contractor	Contractor's Site Staff	No.	Labour	Code	No.	T . L .			1		
(Record verbal instructions given)					1404	Labour	Code	No.	Plant		
	Assistant Surveyor		Asphalter (Other Construction)	C301		Chainman	C401		Туре	No. Working	No. Idl
	Chainman	. 3	Asphaiter (Roadworks)	C302		Concreting Labourer	C402		Backhoe	6	1
	Community Liaison Officer	1.1	Bamboo Scaffolder	C303		Diver's Linesman / Dredger Crew / Barge Crew	C403		Backhoe with Vibrating Hammer	2	
	CEG		Bar Bender & Fixer	C304	3	Excavator	C404		Blower	1	
	Contract Manager	1	Bricklayer	C305		Heavy Load Labourer	C405		Crane Lorry	1	
Comments by Engineer's / Contractor's Representative	Engineer		Carpenter (Fender)	C306		Labourer (male / female) / Lorry checker / Watchman Office attendan	(`406	25	Dump Truck	4	
	Environmental Officer		Carpenter (Formwork)	C307	3	Sewennan	C407		Generator	4	
	Foreman/Assistant Foreman	2 2	Concrete Repairer	C308		Automation Equipment Mechanic	E301		Mini Generator	1	
	General Foreman		Concretor	C309		Building Services Mechanic	E302		Oxy-Acetylene	, , , , , , , , , , , , , , , , , , , ,	3
	Labour Officer	1	Construction Plant Mechanic	C310		Cable Jointer (Power)	E303		Steel Bending Machine	2	
	Land Surveyor	1	Curtain Wall Installer	C311		Carpenter	E304		Water Pump 50mm	: 8	
Utilities	Project Director	1	Demolition Worker	C312		Electrician/Electrical Fitter	E305		Water Pump 75mm	: 7	1
(Record location & nature of works)	Project Manager	2	Diver	C313		Fire Services Mechanic	E306		Welding Set	γ	****
(Record Jocanos & nature of nor No)	Project Quantity Surveyor	1	Drainlayer	C314		Instrument Mechanic	E307			· ····································	
	Quantity Surveyor	·	Electrician (Main Contractor's)	C315		Lift Electrician	E308				
	Safety Officer	1	Floor Layer	C316	1	Lift Mechanic	E309				
	Site Agent	1	Gas Plumber	C317	····	Mechanical Fitter	E310				
	Surveyor	1	General Welder	C318	1	Overhead Linesman	E311		· ····· ·	:	
			Glazier	C319	[	Painter	E312		<b>[]</b>	· <u>1</u> · · · · · · · · · · · · · · · · · · ·	·····a 1
			Ground Investigation Operator Driller/Borer	C320		Plumber and Pipe Fitter	E313		·····		
			Grouting Worker	C321		Refrigeration/AC/Ventilation Mechanic	E314		<b>  </b>		
			Joiner	C322		Sheet Metal Worker	E314 E315		····	• • • • • • • • • • •	
			Leveller	C323		Sign Fabricator	E316				
			Marble Worker	C324		Sign Installer	E317				
			Marine Construction Plant Operator	C325		Thermal Insulation Craftsman	E318			2000 - Contrasta -	: :
Progress			Mason	C326		Welder	E319		· · · · · · · · · · · · · · · · · · ·		
(Mention briefly any matter delaying or obstructing progress)			Metal Scaffolder	C327		Labourer	E401		· ········ ···· ···· ···· ·····		
			Metal Worker	C328		Semi-skilled Worker	E401		· ······ · ······· ···················		
			Painter & Decorator	C329		Technician	T				
			Piling Operative	C330		r centilituiti			f and the second s	÷	
			Pipelayer	C331		· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·		
¥14 */			Plant and Equipment Operator (Builder's Lift and Other Machinery)	C332	· · · · · · ·	· · · · · · · · · · · · · · · · · · ·					<u> </u>
Visitor		:	Plant & Equipment Operator (Earthmoving Machinery)	C333	7				/ I		
(Record names of visitors and time of visit)			Plant and Equipment Operator (Hoist and Crane)	C334	3		· · ·		· ····		-
			Plant and Equipment Operator (Piling)	C335		····	· · · · · · · · ·				
			Plant and Equipment Operator (Tunnelling)	C336	••••••••						
		1	Plasterer	C337		· · ····· · · · · · · · · · · · · · ·					
			Plumber	C338							
Accidents		E 1	Pneumatic Driller	C339	1		<u>‡</u>				
(Describe any occurance of accident)		·····	Prestressing Operative	C340							
(Describe any occarance of accident)	······		Rigger/Metal Formwork Erector	C341							
		:	Shotcretor	C342						-	
			Shotfirer	C343							
		:	Slope Maintenance Worker	C344		·····	:		· · · · · · · · · · · · · · · · · · ·		
			Structural Steel Erector	C345			÷	1			
Remarks			Structural Steel Welder	C346							
Area A - Backhoe EX42, EX45 & EX23 off site		1	Tiler	C347							
Site Safety and Environmental Co-ordination Meeting #119 was held at 11:20 A.M.			Trackworker	C348			· · · · · · · · · · · · · · · · · · ·				
			Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C349		·······					
	· · · · · · · · · · · · · · · · · · ·		Window Frame Installer	C349 C350	4		·····				
	Total	19	Window France Instance	1 350			·····				
	Assistance to Engineer	No.									
	Amah			• • •		·····					
	Coordinate Engineer		······	<u>.</u>	••••••						
	Drafting Assistant	÷		<u>i</u>					· ·····		
	Draiting Assistant Driver					and a second second second second second second second second second second second second second second second					
		2		i	·					· •	
	Field Assistant					· · · · · · · · · · · · · · · · · · ·	······				
	Office Assistant	- L I		: :	1	· · · · · · · · · · · · · · · · · · ·	:		· · · · · · · · · · · · · · · · · · ·		
	Watchman			· · · · · · · · · · · · · · · · · · ·							
	Total	10	(To be continued)			Total Labour		47	Total	37	4

* Working ganger is equivalent to ordinary worker in the trade in which he is employed or, if the trade is not listed, truck driver (refer to GS Table 1.1) Day's record and instructions checked and agreed	Signed: Engineer's Representative	Signed: Contrat
	Name/Post: Eddie Luk/Resident Engineer	Wong

Contractor's Representative

Wong Ching Lung / Site Agent

Original - ER's File

Duplicate - Contractor

Date:

Date:

28/6/2012

#### Contract No.: DC/2009/22 Date: 27/06/2012

Day: Wednesday

Signed:

C. manualt IOW

Tso Sai Kuen / Inspector of Works

Date:

28/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Pla	nt	
						Туре	Wo	rking	Ī
			Trade	Code	No.		No.	ID	No.
	Area A - DN1800 Stormwater Drain	No activity as per KLKJV arrangement					1	1	1
	Stormwater Dram						-		<u> </u>
08:00 - 18:00	Area A - Pump Station	Excavating to formation and laying blinding concrete for ground beams AB12 Backfilling to form platform between transformer room & box culvert Fornwork shuttering for wall W16 of store room Cutting & bending reinforcement bars for beams (AB1~AB4 & AB11~AB13) at bending yard Patching up tie bolt holes on walls, painting bonding agent and applying spatterdash key to wall surfaces at transformer room	Bar Bender & Fixer	C304	3	Backhoe		EX28	
			Carpenter (Fornwork)	C307	3	Backhoe	1	EX50	1
			Labourer (female)	C406	2	Backhoe with Vibrating Hammer	1	EX47	
			Labourer (male)	C406	6	Steel Bending Machine	3		T
			Plant & Equipment Operator (Earthmoving Machinery)	C333	2	Water Pump 50mm	2	1	<u> </u>
			Plant and Equipment Operator (Hoist and Crane)	C334	1	Water Pump 75mm	1	1	<u> </u>
			Plasterer	C337	1				
			· ····						
	Area A - Pump Station - Box Culvert	No activity as per KLKJV arrangement							
07:00 - 18:00 18:00 - 20:00	Area A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation (3 F/Lab.) Manual control of temporary traffic light for traffic flow regulation (1F/Lab)	Labourer (female)	C406	3				
	1								
08:00 - 18:00	Area A - Ting Kok Road (CH70-125)	Driving sheetpiles for shoring of Ø2100 pipe trench at Ch. 100~110, carriageway side Delivery of sheet piles on site	Labourer (male)	C406	2	Backhoe	1	EX39	
			Plant & Equipment Operator (Earthmoving Machinery)	C333	a constant	Backhoe with Vibrating Hammer	1	EX48	
			Plant and Equipment Operator (Hoist and Crane)	C334	2	Crane Lorry	1		
						Oxy-Acetylene	1		
						Water Pump 50mm	2		
						Welding Set	1		
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1		
08:00 - 18:00	Area B - Tung Tsz Nursery (CH130-CH280)	Bay 11, 12 & 13 - Excavating for box culvert and installing 2nd layer I-beam struts for shoring Cart away excavated material to temporary stockpile area at D.D.12, Tung Tze Road (26 truckloads)	General Welder	C318	1	Backhoe	1	EX25	
ļ			Labourer (male)	C406	1	Backhoe	1	EX46	
			Plant & Equipment Operator (Earthmoving Machinery)	C333	2	Dump Truck	3		
			Truck Driver	C349	3	Generator	1		
	<u> </u>					Oxy-Acetylene	1		

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed: Engineer's Representative Name/Post:

Eddie Luk / Resident Engineer

Date:

Wong Ching Lung / Site Agent

28/6/2012

Contractor's Representative

Date:

Signed:

Date:

Signed:

Contract No.: DC/2009/22 Date: 27/06/2012

Day: Wednesday

Material Delivered Idling Description Quantity ID Code lo.

SG t IOW

Tso Sai Kuen / Inspector of Works

28/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time Location Activity Labour Plant Working Туре Trade Code No. No. 1D No Welding Set 1 Area B - Tung Tsz Nursery (CH40-CH130) 08:00 - 18:00 Bay 5 & 6 - Extracting sheetpiles from shoring abourer (male) C406 2 Generator 1 Cleaning up sediments from wheel washing bay General housekeeping Oxy-Acetylene Water Pump 50mm 1 Water Pump 75mm 1 08:00 - 18:00 Area B - Tung Tsz Trimming the formation, laying geotxetile membrane and grade 200 rockfill and then placing blinding Labourer (male) C406 Backhoe 4 EX36 1 Nursery (Jacking Pit) concrete lant & Equipment Operator (Earthmoving Machinery) C333 1 Generator 1 Oxy-Acetylene Water Pump 50mm 1 08:00 - 18:00 Area E - Siu Lek Yuen Pl. 1603.1 - Driving sheet piles for shoring and excavating pipe trench at Ch. 6~11 Labourer (male) C406 2 Backhoe Rd.Playground "art away excavated materials to area B (2 Truckloads) Plant & Equipment Operator (Earthmoving Machinery) C333 Dump Truck 1 1 Truck Driver C349 Generator 1 1 Oxy-Acetylene Water Pump 50mm 1 Water Pump 75mm 1 13:00 - 18:00 Preparing for confine space work Area F - Lek Yuen Street Labourer (male) C406 1.5 Blower 1 Rest Garden Formwork shuttering to plug the 12000 pipe outlet Mini Generator 1 Area G - Ngan Shing St. No activity as per KLKJV arrangement 08:00 - 12:00 Area I - Site Tidy up the storage area C406 Labourer (male) 1.5 Accommodation

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	
1	Engineer's Representative
Name/Post:	Eddie Luk / Resident Engineer
Date:	

Signed:

0 Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

2816/2012

Date:

Contract No.: DC/2009/22 Date: 27/06/2012

Day: Wednesday

			Material Delivered				
Idling			Description	Quantity			
0.	ID	Code					
		h					
		h					
	EX21						
-							
		h					

226 IOW

Tso Sai Kuen / Inspector of Works

28/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1

Contractor: KWAN LEE - KULY JOINT VENTURE

Weather:		
<u>AM</u>	<u>PM</u>	Rainfall (mm)
Fine	Fine	ST 0, TP 0

#### Typhoon / Warning Signal:

T1-21:40~24:00 Very Hot Weather Warning - 10:00~24:00 Thunderstorm Warning - 15:15~17:45

(Hong Kong Observatory's record)

Instructions to Contractor	Contractor's Site Staff No.	Labour	Code No.	Labour	Code No.	Plan	ł
(Record verbal instructions given)			- i i		·		•
	Assistant Surveyor	Asphalter (Other Construction)	C301	Chainman	C401	Type	No. Working No. Idle
	Chainman 3	Asphalter (Roadworks)	C302	Concreting Labourer	C402	Backhoe	4 3
	Community Liaison Officer 1	Bamboo Scaffolder	C303	Diver's Linesman / Dredger Crew / Barge Crew	C403	Backhoe with Vibrating Hammer	2
	CEG 1	Bar Bender & Fixer	C304 5	Excavator	C404	Blower	1
Comments has Englished a Constantial Day and still	Contract Manager 1	Bricklayer	C305	Heavy Load Labourer	C405	Crane Lorry	1
Comments by Engineer's / Contractor's Representative	Engineer	Carpenter (Fender)	C306	Labourer (male / female) / Lorry checker / Watchman Office atter	idan <u>C406</u> 22	Dump Truck	2
	Environmental Officer 1	Carpenter (Formwork)	C307 3	Sewennan	C407	Generator	j 3 j
	Foreman/Assistant Foreman 2	Concrete Repairer	C308	Automation Equipment Mechanic	E301	Mini Generator	
	General Foreman 1	Concretor	C309	Building Services Mechanic	E302	Oxy-Acetylene	
	Labour Officer I	Construction Plant Mechanic	C310	Cable Jointer (Power)	E303	Steel Bending Machine	3
	Land Surveyor 1	Curtain Wall Installer	C311	Carpenter	E304	Water Pump 50mm	7 1 1
Utilities	Project Director 1	Demolition Worker	C312	Electrician/Electrical Fitter	E305	Water Pump 75mm	2 1
(Record location & nature of works)	Project Manager 2	Diver	C313	Fire Services Mechanic	E306	Welding Set	3 3
	Project Quantity Surveyor 1	Drainlayer	<u>C314</u>	Instrument Mechanic	E307		
	Quantity Surveyor	Electrician (Main Contractor's)	C315	Lift Electrician	E308		-
	Safety Officer 1	Floor Layer	C316	Lift Mechanic	E309		
	Site Agent 1	Gas Plumber	C317	Mechanical Fitter	E310		
	Surveyor 1	General Welder	C318 2	Overhead Linesman	E311		
		Glazier	C319	Painter	E312		
	<u>.</u>	Ground Investigation Operator Driller Borer	C320	Plumber and Pipe Fitter	E313		·····
		Grouting Worker	C321	Refrigeration/AC/Ventilation Mechanic	E314		
		Joiner	C322	Sheet Metal Worker	E315		· · · · · · · · · · · · · · · · · · ·
		Leveller	C323	Sign Fabricator	E316		
		Marble Worker	C324	Sign Installer	E317		
Progress		Marine Construction Plant Operator	C325	Thermal Insulation Craftsman	E318		
(Mention briefly any matter delaying or obstructing progress)		Mason	C326	Welder	E319		
(Wichdoa orienty any marter delaying or obstructing progress)	•••• • • • • • • • • • • • • • • • • •	Metal Scaffolder	C327	Labourer	E401		
		Metal Worker	C328	Semi-skilled Worker	E402		
		Painter & Decorator	C329	Technician	T		· · · · · · · · · · · · · · · · · · ·
		Piling Operative	C330				
		Pipelayer	C331				<u> </u>
Visitor		Plant and Equipment Operator (Builder's Lift and Other Machinery)					
(Record names of visitors and time of visit)		Plant & Equipment Operator (Earthmoving Machinery)	C333 5		· · · · · · · · · · · · · · · · · · ·		· · · · · · ·
		Plant and Equipment Operator (Hoist and Crane)	C334 3				
		Plant and Equipment Operator (Piling)	C335				· · · · · ·
		Plant and Equipment Operator (Tunnelling)	C336			·	
	· · · · · · · · · · · · · · · · · · ·	Plasterer Plumber	<u>C337</u> 1				
		Pneumatic Driller	C338	··· ··· ·			
Accidents			C339			······································	
(Describe any occurance of accident)	-	Prestressing Operative Rigger/Metal Formwork Erector	C340 C341				
		Shotcretor	C342				
		Shotfirer	C342 C343	and the second s			
	i	Slope Maintenance Worker	C344		· · ·		
		Structural Steel Erector	C345				
Remarks		Structural Steel Welder	C346	· · · · · · · · · · · · · · · · · · ·			
Weekly Safety and Environmental Co-ordination Meeting #119 was held at 11:30		Tiler	C347	······································	·····		
A.M.	·····	Trackworker	C348	· · · · · · · · · · · · · · · · · · ·		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec	· · · ·
		Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C349 2				
		Window Frame Installer	C350	·····	·		
	Total 19		<u></u>				·····
				· · · · · · · ·			
	Assistance to Engineer No.	·					
	Amah 1						
	Coordinate Engineer 1	· · · · · · · · · · · · · · · · · · ·		······································	· · · · · · · · · · · · · · · · · · ·		
	Drafting Assistant		: · · · · · · · · · · · · · · · · · · ·				
	Driver 2			1 · · · · ·			
	Field Assistant 3						· · · · · · · · · · · · · · · · · · ·
	Office Assistant 1	1	:				······································
	Watchman I			· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	····
	Total 10	(To be continued)	1	Total Labour	43	Total	32 12
				LA KANA-MAK Y M2	4.	<u>17 7169</u>	•'& <u></u>

* Working ganger is equivalent to ordinary worker in the trade in whic	h
he is employed or, if the trade is not listed, truck driver	
(refer to GS Table 1.1)	

Day's record and instructions checked and agreed

Signed:

Date:

Engineer's Representative

Name/Post: Eddie Luk / Resident Engineer

Signed: Contractor's Representative

Wong Ching Lung / Site Agent

Original - ER's File

Date:

28/6/2012

### Contract No.: DC/2009/22 Date: 28/06/2012

Day: Thursday

Signed:

IOW

Tso Sai Kuen / Inspector of Works

Date:

28/6/2012

Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Pla	nt			Material De	livered	
						Туре	Working		ung Idling			ing Description	
			Trade	Code	No.		No.	ID	No.	ID	Code		
	Area A - DN1800	No activity as per KLKJV arrangement						1		1			1
	Stormwater Drain				<u> </u>		<u> </u>	<u>  </u>	<u> </u>	<u> </u>	<u> </u>		
08:00 - 18:00	Area A - Pump Station	Breaking up concrete and cutting the H-pile at cut off level, then welding 610x610x45 THK. capping plate for pre-bored H-pile (AP1) Formwork shuttering for wall W17 Driving sheetpiles as backing post of hoarding along carriageway Rebars fixing for walls of store room & toilet Cutting & bending reinforcement bars for beams (AB1~AB4 & AB11~AB13) at bending yard Patching up tie bolt holes on walls at switchroom Spatterdash key onto wall surfaces at transformer room	Bar Bender & Fixer	C304	5	Backhoe		EX28					
		Laying G.I concealed conduits on wall formwork at store room & toilet											
			Carpenter (Formwork)	C307	3	Backhoe			1	EX50	h		1
			General Welder	C318	1	Backhoe with Vibrating Hammer	1	EX47					
			Labourer (female)	C406	2	Oxy-Acetylene	1		1	1			
			Labourer (male)	C406	6	Steel Bending Machine	3						
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Water Pump 50mm	2						
			Plant and Equipment Operator (Hoist and Crane)	C334	1	Water Pump 75mm	1						
			Plasterer	C337	1	Welding Set	1						
										<u> </u>			
	Area A - Pump Station - Box Culvert	No activity as per KLKJV arrangement			 								
07:00 - 18:00 18:00 - 20:00	Area A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation (3 F/Lab.) Manual control of temporary traffic light for traffic flow regulation (1 F/Lab.)	Labourer (female)	C406	3								
							1	1	Ī	1			
08:00 - 18:00	Area A - Ting Kok Road (CH70-125)	Driving sheetpiles for shoring of Ø2100 pipe trench at Ch. 100~110, footpath side Delivery of sheet piles on site	Labourer (male)	C406		Backhoe			1	EX39	h		
			Plant and Equipment Operator (Hoist and Crane)	C334	2	Backhoe with Vibrating Hammer	I	EX48					
					ļ	Crane Lorry	I					www.wawwart 101	
					ļ	Oxy-Acetylene	1	<u> </u>	ļ	<u> </u>			
					ļ	Water Pump 50mm	2	<u> </u>					
					<u> </u>	Welding Set	1	<u> </u>	<u> </u>				<u> </u>
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1						
												·····	
08:00 - 18:00	Area B - Tung Tsz Nursery (CH130-CH280)	Bay 11, 12 & 13 - Excavating for box culvert and fabricating 2nd layer l-beam struts for shoring Cart away excavated materials to temporary stockpile area at D.D.12, Tung Tze Road (26 trucgloads)	General Welder	C318		Backhoe	1	EX25					
			Labourer (male)	C406	2	Backhoe	1	EX46					

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	
	Engin

neer's Representative

Eddie Luk / Resident Engineer

Signed:

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

Date:

28/6/2012

Date:

Contract No.: DC/2009/22 Date: 28/06/2012

Day: Thursday

26 to IOW

Tso Sai Kuen / Inspector of Works

28/6/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

T:	Losstian	k _ 4214				1							
Time	Location	Activity	Labour				Pla		- <b>T</b>			Material De	
						Туре		rking		Idling	1	Description	Quantity
			Trade	Code	No.		No.	ID	No.	ID	Code		
			Plant & Equipment Operator (Earthmoving Machinery)	C333	2	Dump Truck	1		1				1
			Truck Driver	C349	1	Generator	1	1	1				
						Oxy-Acetylene	1						
						Welding Set	1						
08:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	General housekeeping	Labourer (male)	C406	1	Generator			1		h		
						Oxy-Acetylene			1		h		
						Water Pump 50mm			1		h		
						Water Pump 75mm			1		h		
						Welding Set			1	ł	h		
08:00 - 18:00	Area B - Tung Tsz Nursery (Jacking Pit)	Trimming the working area around the pit and making good haul road	Plant & Equipment Operator (Earthmoving Machinery)	C333	ł	Backhoe	Sec. Sec. Sec. Sec. Sec. Sec. Sec. Sec.	EX36					
						Generator	1						
						Oxy-Acetylene			1		h		
						Water Pump 50mm	1						
						Welding Set			1		h		
08:00 - 18:00	Area E - Siu Lek Yuen Rd.Playground	PL 1603.1 - Excavating for drain pipe trench and placing blinding concrete at Ch.7.5~11 Cart away excavated materials to area B (2 Truckloads)	Labourer (male)	C406		Backhoe			ŀ	EX21			
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Dump Truck	1						
			Truck Driver	C349	1	Generator	1						
						Oxy-Acetylene			1		h		
						Water Pump 50mm	1						
						Water Pump 75mm	1						
						Welding Set			1		h		
08:00 - 18:00	Area F - Lek Yuen Street Rest Garden	Shuttering to plug the 12000 pipe outlet	Labourer (male)	C406	3	Blower	1						
						Mini Generator	1	L	<u> </u>				
								<u> </u>	<u> </u>				
	Area G - Ngan Shing St.	No activity as per KLKJV arrangement								-			
	Area 1 - Contractor Office	No activity as per KLKJV arrangement											-

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed: E	ngineer's Representative
Name/Post:	Eddie Luk/Resident Engineer
Date:	

Signed: ١.

Contractor's Representative

Signed:

Wong Ching Lung / Site Agent

26/6/2012

Date:

Date:

Contract No.: DC/2009/22 Date: 28/06/2012

Day: Thursday

626  $\langle \cdot \rangle$ IOW

Tso Sai Kuen / Inspector of Works

28/6/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1

Contractor: KWAN LEE - KULY JOINT VENTURE

				Contractor: KWAN LEE	- KULY JOINT VI	ENTURE				
Weather:			Typhoon / Warning Signal:					Contract No.: DC/200	9/22 Date: 29/06/	/2012
AM	<u>PM</u>	Rainfall (mm)	T1 - 00:00~16:20						Day: Friday	s.,
 C:			T3 - 16:20~23:05						Day. Friday	/
Fine	Shower	ST 2, TP 2	T8 - 23:05~24:00							
(Hong Kong Ob	servatory's record)		Very Hot Weather Warning - 00:							
	Instructions to Contrac	tor	Contractor's Site Staff No.	17:45 Labour	Code No.	Labour	Code No.	· · · · · · · · · · · · · · · · · · ·	Plant	
	(Record verbal instructions				1 1					
			Assistant Surveyor 3	Asphalter (Other Construction) Asphalter (Roadworks)	C301 C302	Chainman Concreting Labourer	C401 C402	Type Backhoe	No. W	Vorking No. Idle
			Community Liaison Officer 1	Bamboo Scaffolder	C303	Diver's Linesman / Dredger Crew / Barge Crew	C402	Backhoe with Vibrating Hammer		2
			CEG 1 Contract Manager 1	Bar Bender & Fixer Bricklayer	C304 3	Excavator	C404	Crane Lorry		1
Comments	s by Engineer's / Contractor	r's Representative	Engineer	Carpenter (Fender)	<u>C305</u> C306	Heavy Load Labourer Labourer (male / female) / Lorry checker / Watchman Office att	C405 endan C406 22	Dump Truck Generator		3
			Environmental Officer 1	Carpenter (Formwork)	<u>C307 3</u>	Sewerman	<u>C'407</u>	Grab Lorry		1 .
			Foreman/Assistant Foreman 2 General Foreman 1	Concrete Repairer Concretor	C308 C309	Automation Equipment Mechanic Building Services Mechanic	E301 E302	Oxy-Acetylene Steel Bending Machine		3 2
			Labour Officer 1	Construction Plant Mechanic	C309	Cable Jointer (Power)	E302 E303	Water Pump 50mm		7 1
			Land Surveyor 1	Curtain Wall Installer	C311	Carpenter	E304	Water Pump 75mm	1	3
	Utilities		Project Director 1 Project Manager 2	Demolition Worker Diver	C312 C313	Electrician/Electrical Fitter	E305	Welding Set		3
	Record location & nature o	f works)	Project Quantity Surveyor 1	Drainlayer	C314 I	Fire Services Mechanic	E306 E307	· · · · · · · · · · · · · · · · · · ·		
			Quantity Surveyor	Electrician (Main Contractor's)	C315	Lift Electrician	E308		· · · · · ·	÷
			Safety Officer 1 Site Agent 1	Floor Layer Gas Plumber	C316	Lift Mechanic Mechanical Fitter	E309			
			Surveyor 1	General Welder	C317 C318 3	Overhead Linesman	E310 E311			
				Glazier	C319	Painter	E312		·····	· · · · · · · · · · · · · · · · · · ·
				Ground Investigation Operator/Driller/Borer Grouting Worker	C320	Plumber and Pipe Fitter	E313			
				Joiner	C321 C322	Refrigeration/AC/Ventilation Mechanic Sheet Metal Worker	E314 E315		······	
				Leveller	<u>C323</u>	Sign Fabricator	E316			
				Marble Worker Marine Construction Plant Operator	C324 C325	Sign Installer	E317			
	Progress			Mason	C326	Thermal Insulation Craftsman	E318 E319			
(Mention brief	fly any matter delaying or o	obstructing progress)		Metal Scaffolder	C327	Labourer	E401			
				Metal Worker Painter & Decorator	C328 C329	Semi-skilled Worker Technician	E402			
				Piling Operative	C330					
				Pipelayer	C331					
	Visitor			Plant and Equipment Operator (Builder's Lift and Other Mach Plant & Equipment Operator (Earthmoving Machiner						
(Rec	ord names of visitors and ti	ime of visit)		Plant and Equipment Operator (Hoist and Crane)	C334 4					
				Plant and Equipment Operator (Piling)	C335				-	t ···
				Plant and Equipment Operator (Tunnelling) Plasterer	C336 C337 1					
				Plumber	C338					
*=	Accidents			Pneumatic Driller	C339					
(1	Describe any occurance of a	accident)	-	Prestressing Operative Rigger/Metal Formwork Erector	<u>C340</u> C341					·
				Shoteretor	C342	······································				
				Shotfirer Slong Maintanange Wasker	C343					
				Slope Maintenance Worker Structural Steel Erector	C344 C345	· .		·····		
	Remarks			Structural Steel Welder	C346		······	· · · · · · · · · · · · · · · · · · ·		
				Tiler Trackworker	C347 C348					<u>i</u>
				Truck Driver / Coxswain / Barge Engineer / Working Ganger	C348 C348					
				Window Frame Installer	C350					
			Total 19							
			Assistance to Engineer No.							
			Amah 1							
			Coordinate Engineer         1           Drafting Assistant         1		······		·			
			Driver 2							
			Field Assistant 3							
			Office Assistant 1 Watchman 1							
			Total 10	(To be continued)		Total Labour	45	Total	3	3 6
L							······································	140.0.120	····	

* Working ganger is equivalent to ordinary worker in the trade in which he is employed or, if the trade is not listed, truck driver (refer to GS Table 1.1) Day's record and instructions checked and agreed	Signed: Engineer's Representative	Signed:	Contractor's Representative
	Name/Post: Colin Cheng / SRE		Wong Ching Lung / Site Agent

Name/P	ost:	COUL
Date:		

Original - ER's File Duplicate - Contractor Date:

3/7/2012

••	 	Fotal Labor					
	 	i stat Laller	<u>44</u>				
		Signe	d:	~~~~	$\overline{)}$	2	_

Signed:

 $\leftarrow$ IOW

Tso Sai Kuen / Inspector of Works

Date:

3/7/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Pla	it				Material Delivered		
						Туре	Wo	rking	Idling			Description	Quantity	
			Trade	Code	No.		No.	ID	No.	ID	Code			
	Area A - DN1800	No activity as per KLKJV arrangement					1	1	1	1	1			
	Stormwater Drain				<u> </u>				<b>_</b>					
					ļ					-				
08:00 - 18:00	Area A - Pump Station	Formwork shuttering for walls of store room & toilet Patching up tie bolt holes on wall stem at switchroom Applying spatterdash key and forming level pads on wall surfaces at transformer room Laying G.I concealed conduits on wall formwork at store room & toilet Welding to connect hoarding framework and sheepile post next to carriageway Backfilling to form working platform between transformer room & box culvert Rebars fixing for ground beams AB11~AB13 Cleaning up sediments from wheel washing bay	Bar Bender & Fixer	C304	3	Backhoe		EX28						
			Carpenter (Fornwork)	C307	3	Backhoe	1	1	1	EX50	h			
			General Welder	C318	1	Backhoe with Vibrating Hammer	1	EX47						
			Labourer (female)	C406	2	Grab Lorry	1	1	1		1			
			Labourer (male)	C406	6	Oxy-Acetylene	1			1	1		1	
			Plant & Equipment Operator (Earthmoving Machinery)	C333	2	Steel Bending Machine	3	1	1	1	1			
			Plant and Equipment Operator (Hoist and Crane)	C334	2	Water Pump 50mm	2			1				
			Plasterer	C337	]	Water Pump 75mm	1							
						Welding Set	1							
					L					<u> </u>				
	Area A - Pump Station - Box Culvert	No activity as per KLKJV arrangement												
07:00 - 18:00 18:00 - 20:00	Area A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation (3 F/Lab.) Manual control of temporary traffic light for traffice flow regulation (1 F/Lab)	Labourer (female)	C406	3									
					ļ				<u> </u>		<u> </u>			
08:00 - 18:00	Area A - Ting Kok Road (CH70-125)	Driving sheetpiles for shoring of Ø2100 pipe trench at Ch. 95~100, footpath side Fabrication of sheetpile platform at road level over Ø2100 pipe trench at Ch. 110~120 Preventive measures against typhoon	General Welder	C318	1	Backhoe		EX36						
			Labourer (male)	C406	4	Backhoe	1	1	1	EX39	h			
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Backhoe with Vibrating Hammer	1	EX48						
			Plant and Equipment Operator (Hoist and Crane)	C334	1	Oxy-Acetylene	1	1	Ι	T	Ι		1	
						Water Pump 50mm	2							
						Welding Set	1							
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1							
i					1									

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Engineer's Representative

Signed:

Contractor's Representative

317/2012

Signed:

Wong Ching Lung / Site Agent

Name/Post:

Colin Cheng / SRE

Date:

Date:

Date:

Contract No.: DC/2009/22 Date: 29/06/2012

Day: Friday

QC le IOW

Tso Sai Kuen / Inspector of Works

2/7/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble

e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour	-			Plai	nt				Material De	livered
						Type Work		rking		Idling		Description	Quantity
			Trade	Code	No.		No.	ai	No.	ID	Code		
08:00 - 18:00	Area B - Tung Tsz Nursery (CH130-CH280)	Bay 11 - Excavating for box culvert and fabricating 2nd layer I-beam struts for shoring Bay 12 & 13 - Excavating for box culvert to formation level Cart away excavated material to temporary stockpile area at D.D.12, Tung Tze Road (20 truckloads) Cart away excavated material to pump station, Area A (6 truckloads)	General Welder	C318	hered	Backhoe	1	EX25					
			Labourer (male)	C406	3	Backhoe	1	EX46					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	2	Dump Truck	3	1	1				
			Truck Driver	C349	3	Generator	1		1				1
						Oxy-Acetylene	1	1	1	1			1
L					1	Welding Set	1	1	1	1			
					[			1	1	1			1
08:00 - 18:00	Area B - Tung Tsz Nursery (CH40-CH130)	Cleaning up sediments from wheel washing bay General housekeeping and miscellaneous works	Labourer (male)	C406	1	Generator	1					***************************************	
						Oxy-Acetylene			1		h		
						Water Pump 50mm	1	1	[			driffelin frankrigen og som som som som som som som som som som	
	· · · · · · · · · · · · · · · · · · ·					Water Pump 75mm	1						
- -	Area B - Tung Tsz Nursery (Jacking Pit)	No activity as per KLKJV arrangement				Water Pump 50mm			1		h		
08:00 - 18:00	Area E - Siu Lek Yuen Rd.Playground	PL 1603.1 - Laying and jointing 1650 concrete pipes at Ch.5~10	Drainlayer	C314	1	Backhoe			1	EX21	h		
	1		Labourer (male)	C406	3	Crane Lorry	1	<u> </u>	<b></b>			· · · · · · · · · · · · · · · · · · ·	
			Plant and Equipment Operator (Hoist and Crane)	C334	1	Generator	1			+			
						Oxy-Acetylene		<b> </b>	1	1	h		
						Water Pump 50mm	1			1			1
						Water Pump 75mm	1			1			
						1		<u> </u>		1			1
	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement											
	Area G - Ngan Shing St.	No activity as per KLKJV arrangement					_						
							-						
	Area I - Contractor Office	No activity as per KLKJV arrangement										******	

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	
	Turing

Engineer's Representative

Signed:

< Contractor's Representative

Signed:

Name/Post: Date:

Colin Cheng / SRE

Date:

Wong Ching Lung / Site Agent 317/2012

Date:

Contract No.: DC/2009/22 Date: 29/06/2012

Day: Friday

26 Ð IOW

Tso Sai Kuen / Inspector of Works

3/7/2012

Client Department: Drainage Services Department

Contract Title: Drainage Improvement Works in Shuen Wan, Tai Po - Contract 1

Contractor: KWAN LEE - KULY JOINT VENTURE

Weather:			Typhoon / Warning Signal:
<u>AM</u>	<u>PM</u>	<u>Rainfall (mm)</u>	T8 - 00:00~03:25
Clauder	Claude	0T 40 TD 00	T3 - 03:25~06:40
Cloudy	Cloudy	ST 40, TP 20	T1 - 06:40~08:15

0~03:25 5~06:40 0~08:15 Thunderstorm Warning - 03:50~08:45

(Hong Kong Observatory's record)

Instructions to Contractor (Record verbal instructions given)	Contractor's Site Staff No.	Labour	Code No.	Labour	Code	No. ]	Plar	t
(Record verbai jastractions given)	Assistant Surveyor	Asphalter (Other Construction)	C301	Chainman	0.01	·   -	· · ·	
	Chainman 3	Asphalter (Roadworks)	C302	Chainman Concreting Labourer	<u>C401</u>		Туре	No. Working No.
	Community Liaison Officer 1	Bamboo Scaffolder	C303		C402		ackhoe	6 1
	CEG 1	Bar Bender & Fixer		Diver's Linesman / Dredger Crew / Barge Crew	C403		ackhoe with Vibrating Hammer	
	Contract Manager 1	Bricklayer	C304	Excavator	C404		rane Lorry	1
Comments by Engineer's / Contractor's Representative	Engineer 1		<u>C305</u>	Heavy Load Labourer	C405		ump Truck	2
Comments by Diresteer s / Compactor s Acpresentative		Carpenter (Fender)	<u>C306</u>	Labourer (male / female) / Lorry checker / Watchman/Office atte		_20 E	lectric Breaker	1
	Environmental Officer 1	Carpenter (Formwork)	C307	Sewerman	C407		enerator	3
	Foreman/Assistant Foreman 2	Concrete Repairer	C308	Automation Equipment Mechanic	E301	l G	rab Lorry	
	General Foreman 1	Concretor	C309	Building Services Mechanic	E302		xy-Acetylene	3 1
	Labour Officer I	Construction Plant Mechanic	C310	Cable Jointer (Power)	E303	SI SI	teel Bending Machine	3
	Land Surveyor 1	Curtain Wall Installer	C311	Carpenter	E304		/ater Pump 50mm	7
Utilities	Project Director 1	Demolition Worker	C312	Electrician/Electrical Fitter	E305	W	ater Pump 75mm	3
(Record location & nature of works)	Project Manager 2	Diver	C313	Fire Services Mechanic	E306		/elding Set	3
	Project Quantity Surveyor 1	Drainlayer	C314	Instrument Mechanic	E307			
	Quantity Surveyor	Electrician (Main Contractor's)	C315	Lift Electrician	E308	[		
	Safety Officer 1	Floor Layer	C316	Lift Mechanic	E309			
	Site Agent 1	Gas Plumber	C317	Mechanical Fitter	E310			
	Surveyor 1	General Welder	C318 2	Overhead Linesman	E311	·····		· · · · ·
		Glazier	C319	Painter	E312			a a serie a serie a serie serie serie serie serie serie serie serie serie serie serie serie serie serie serie s
		Ground Investigation Operator/Driller/Borer	C320	Plumber and Pipe Fitter	E312 E313			
		Grouting Worker	C321	Refrigeration/AC/Ventilation Mechanic			·······	
		Joiner	C322		E314			
		Leveller		Sheet Metal Worker	E315			
		Marble Worker	<u>C323</u>	Sign Fabricator	E316			
			C324	Sign Installer	E317			
Progress		Marine Construction Plant Operator	C325	Thermal Insulation Crafisman	E318			
(Mention briefly any matter delaying or obstructing progress)		Mason	C326	Welder	E319			· · · · · · · · · · · · · · · · · · ·
(Areanon breatty any matter desaying of obstracting progress)		Metal Scaffolder	C327	Labourer	E401			
		Metai Worker	C328	Semi-skilled Worker	E402			
		Painter & Decorator	C329	Technician	Т			
		Piling Operative	C330					
		Pipelayer	C331					
Visitor		Plant and Equipment Operator (Builder's Lift and Other Machinery	in the second second second second second second second second second second second second second second second					1
(Record names of visitors and time of visit)	· · · · · · · ·	Plant & Equipment Operator (Earthmoving Machinery)	C333 7					
		Plant and Equipment Operator (Hoist and Crane)	C334 4					
		Plant and Equipment Operator (Piling)	C335			11		
		Plant and Equipment Operator (Tunnelling)	C336					
		Plasterer	C337 2					
		Plumber	C338					·····
Accidents		Pneumatic Driller	C339					
(Describe any occurance of accident)		Prestressing Operative	C340				·······	
to the way decay and or actively		Rigger/Metal Formwork Erector	C341					
		Shotcretor	C342					
		Shotfirer	C343			· · · · [ ] · ·		1
		Slope Maintenance Worker	C344					·····
	· · · · · · · · · · · · · · · · · · ·	Structural Steel Erector	C345	···· ······ ·	•••••••••	·		
Remarks		Structural Steel Welder	C346				· ··· ···· · · ····· · · · · ·	
		Tiler	C340	····		·		
		Trackworker		· ····································		[ ]	·	a in in ing da
		Truck Driver / Coxswain / Barge Engineer / Working Ganger*	C348	and the second sec				
	· · · · · · · · · · · · · · · · · · ·		C349 2					
	m-1-1	Window Frame Installer	C350					· · · · · · · · · · · · · · · · · · ·
	10111							
	Assistance to Engineer No.	-		······				<u>i</u>
		-						
	Amah 1							
	Coordinate Engineer 1	4			:			
	Drafting Assistant 1							
	Driver2							
	Field Assistant 3						···· ·········· . ···· · · ····	
	Office Assistant 1							
	Watchman 1							
	Total 10	(To be continued)		Total Labour		37 To		35 3

* Working ganger is equivalent to ordinary worker in the trade in which
he is employed or, if the trade is not listed, truck driver
(refer to GS Table 1.1)

Day's record and instructions checked and agreed

Signed:

Engineer's Representative

Name/Post: Colin Cheng / SRE

Date:

Original - ER's File Duplicate - Contractor Date:

Signed:

3/7/2012

Contractor's Representative

Wong Ching Lung / Site Agent

### Contract No.: DC/2009/22 Date: 30/06/2012

Day: Saturday

Signed:

IOW

Tso Sai Kuen / Inspector of Works

Date:

3/7/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour				Material Delivered						
						Туре	Plant Working		Idling			Description	Quantity
			Trade	Code	No.	-	No.		No.		Code	a constitution	2 2 mm. 1
	Area A - DN1800	No activity as per KLKJV arrangement			İ	1		1	+	1	+		
	Stormwater Drain				<u> </u>				ļ	<u> </u>			
08:00 - 18:00	Area A - Pump Station	Rendering to walls at transformer room	Labourer (female)	C406		Backhoe	<u> </u>			<b>_</b>			
		Hack off concrete surface of walls & cable trench at transformer room to correct vertical alignment Welding to connect hoarding framework to sheetpile posts next to carraigeway, then taking away PC block footings Backfilling to form working platform between transformer room & box culvert		( 400		Васклое		EX28					
			Labourer (male)	C406	5	Backhoe	1	EX50		<u> </u>			
			Plant & Equipment Operator (Earthmoving Machinery)	C333	2	Backhoe with Vibrating Hammer	1	EX47					
			Plant and Equipment Operator (Hoist and Crane)	C334	2	Electric Breaker	1		1				
			Plasterer	C337	2	Grab Lorry	1	1	1	1			-
						Oxy-Acetylene	1		1	1			
ļ						Steel Bending Machine	3						
						Water Pump 50mm	2		Γ	Τ			
						Water Pump 75mm	I						
						Welding Set	1						
	Area A - Pump Station -	No activity as per KLKJV arrangement											
	Box Culvert	No activity as per KLKJ v arrangement					_						
07:00 - 18:00	Area A - Ting Kok Road	Manual control of "stop/go" sign for traffic flow regulation						<u> </u>		<u> </u>			
18:00 - 23:00		Manual control of stop/go sign for traffic flow regulation Mauual control of temporary traffic light for traffic flow regulation (1 M/Lab. from other area)	Labourer (female)	C406	3			<u> </u>					
08:00 - 18:00	Area A - Ting Kok Road	Driving sheetpiles for shoring of Ø2100 pipe trench at Ch. 90~95, footpath side	General Welder	C318		Destation	- <b> </b>		L	<u> </u>	<b> </b>		
	(CH70-125)	Welding to form sheetpile platform at road level over Ø2100 pipe trench at Ch. 106~110		0.518	Ĩ	Backhoe	1	EX36					
[			Labourer (female)	C406	1	Backhoe	1	1	1	EX39	h		1
			Labourer (male)	C406	1	Backhoe with Vibrating Hammer	1	EX48					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Oxy-Acetylene	1	1		1			1
			Plant and Equipment Operator (Hoist and Crane)	C334	1	Water Pump 50mm	2						
				1		Welding Set	1						
	Aron A Tir- K-h D - 1			<u> </u>									
	Area A - Ting Kok Road (Intake Structure)	No activity as per KLKJV arrangement				Water Pump 50mm	1						
08-00 18-00	A D. True T			4									
08:00 - 18:00	Nursery (CH130-CH280)	Bay 11 - Excavating for box culvert and fabricating 2nd layer I-beam struts and walings Bay 12, 13 - Excavating to formation level for box culvert Cart away excavated materials to pump station, Area A (4 truckloads) Cart away sand material to contract 2 DC/2010/02 (10 truckloads)	General Welder	C318	1	Backhoe	1	EX25					

Day's record and instructions checked and agreed

Original - ER's File Duplicate - Contractor

Signed: Signed: Engineer's Representative Contractor's Representative Colin Cheng / SRE Wong Ching Lung / Site Agent Name/Post: 317/2012 Date: Date:

Signed:

Date:

Contract No.: DC/2009/22

Date: 30/06/2012

Day: Saturday

E IOW

Tso Sai Kuen / Inspector of Works

3/7/2012

#### Idling Code:

a Breakdown b Standby c Awaiting Instruction d Assemble/Disassemble e Bad Weather f Task Completed g No Operator h Not Required i Sunday/Public Holiday

Time	Location	Activity	Labour			Material Delivered							
						Туре	Working		cing Idling			Description	Quantity
			Trade	Code	No.	1	No.	ID	No.	ID	Code		
			Labourer (male)	C406	2	Dump Truck	2	1	1				<u>+</u>
			Plant & Equipment Operator (Earthmoving Machinery)	C333	2	Generator	1		1				1
			Truck Driver	C349	2	Oxy-Acetylene	1		1				1
						Welding Set	1		[				
08:00 - 18:00 A	Area B - Tung Tsz Nursery (CH40-CH130)	General housekeeping Cleaning up sediments from wheel washing bay Bay 5 - Laying concrete blocks around desilting opening on top slab to facilitate backfilling work to box culvert trench	Labourer (male)	C406	3	Backhoe	]	EX46					
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Generator	1		1				
						Water Pump 50mm	1	1					1
:						Water Pump 75mm	1						
	Area B - Tung Tsz Nursery (Jacking Pit)	No activity as per KLKJV arrangement				Water Pump 50mm			1		h		
	Area E - Siu Lek Yuen Rd.Playground	P1. 1603.1 - Laying and compacting type A&B granular materials to surround the drain pipe at Ch. 5~10	Labourer (male)	C406	2	Backhoe	1	EX21					<u> </u>
			Plant & Equipment Operator (Earthmoving Machinery)	C333	1	Generator	1						
						Oxy-Acetylene		1	1		h		
						Water Pump 50mm	1			1			1
						Water Pump 75mm	1						
	Area F - Lek Yuen Street Rest Garden	No activity as per KLKJV arrangement											
	Area G - Ngan Shing St.	No activity as per KLKJV arrangement											
08:00 -18:00	Area I - Contractor Office	Tidy up the storage compound and delivery of materials to varies works area	Labourer (male)	C406	2	Crane Lorry						·······	
			Plant and Equipment Operator (Hoist and Crane)	C334	1								+

Day's record and instructions checked and agreed

Original - ER's File

Duplicate - Contractor

Signed:	
	Engineer's Representative
Name/Post:	Colin Cheng / SRE

Date:

Signed:

Contractor's Representative

Signed:

Date:

Wong Ching Lung / Site Agent

317/2012.

Date:

Contract No.: DC/2009/22 Date: 30/06/2012

Day: Saturday

G IOW

Tso Sai Kuen / Inspector of Works

3/7/2012