CONTRACT NO: HK/2015/01

WANCHAI DEVELOPMENT PHASE II AND CENTRAL WANCHAI BYPASS SAMPLING, FIELD MEASUREMENT AND TESTING WORK (STAGE 3)

ENVIRONMENTAL PERMIT NO. EP-376/2009, FURTHER ENVIRONMENTAL PERMITS NO. FEP-01/376/2009 AND FEP-02/376/2009

MONTHLY ENVIRONMENTAL MONITORING & AUDIT REPORT

- JULY 2018 -

CLIENTS:

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CERTIFIED BY:

Raymond Dai
Environmental Team Leader

DATE:

9 August 2018

RAMBOLL

Ref.: AACWBIECEM00_0_10619L.18

9 August 2018

AECOM Asia Company Limited
11/F Tower 2 Grand Central Plaza
138 Shatin Rural Committee Road
Shatin New Territories
Hong Kong

By Post and Fax (2691 2649)

Attention: Mr. Conrad Ng

Dear Mr. Ng,

Re: Contract No. HK/2015/01
Wan Chai Development Phase II - Central-Wan Chai Bypass
Sampling, Field Measurement and Testing Works (Stage 3)

Monthly Environmental Monitoring and Audit Report (July 2018)
for EP-376/2009, FEP-01/376/2009 and FEP-02/376/2009

Reference is made to the Environmental Team's submission of the captioned Monthly Environmental Monitoring and Audit (EM&A) Report for July 2018 received by e-mail on 7 August 2018 for our review and comment.

Please be informed that we have no adverse comment on the captioned submission. We write to verify the captioned submission in accordance with Condition 3.4 in the captioned Environmental Permit.

Thank you very much for your attention and please do not hesitate to contact the undersigned should you have any queries.

Yours sincerely,

David Yeung
Independent Environmental Checker

c.c.	CEDD	Attn: Mr. L K Tsang	by fax: 2577 5040
	Lam	Attn: Mr. Raymond Dai	by fax: 2882 3331
	AECOM	Attn: Mr. Francis Leong/ Stephen Lai	by fax: 2691 2649

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EXECUTIVE SUMMARY

i. This is the Environmental Monitoring and Audit (EM&A) Monthly Report – July 2018 specific for Environmental Permit no. EP-376/2009 and Further Environmental Permits no. FEP-01/376/2009 and FEP-02/376/2009. The EM&A report is prepared by the Environmental Team (ET) employed under Contract No. HK/2015/01 – Wan Chai Development Phase II and Central Wanchai Bypass – Sampling, Field Measurement and Testing Works (Stage 3). This report presents the environmental monitoring findings and information recorded during the period of 27th June 2018 to 26th July 2018. The cut-off date of reporting is at 26th of each reporting month.

ii. In the reporting month, the principal work activities of the contract are included as follows:

Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West

- Drainage
- Roadworks

Noise Monitoring

iii. Noise monitoring was conducted at M1a – Harbour Road Sports Centre.

iv. With respect to the shift in major construction site portions at Wan Chai North, the noise monitoring station M1a – Harbour Road Sports Centre was finely adjusted from East of Harbour Road Sports Centre to West of Harbour Road Sports Centre on 21 June 2016.

v. With respect to the demolition of Ex-Harbour Road Sports Centre, the respective noise monitoring station M1a – Harbour Road Sports Centre were finely adjusted on 16 and 25 May 2017 and thereafter to the Footbridge for Harbour Road Sports for noise monitoring.

vi. No action or limit level exceedance was recorded in this reporting month.

Air Quality Monitoring

vii. 1-hour and 24-hour Total Suspended Particulates (TSP) monitoring were conducted on every six days basis at CMA5b – Pedestrian Plaza and CMA6a – Contractor HK/2012/08 Site Office.

viii. Due to interruption of electricity, the 24hr TSP monitoring at Pedestrian Plaza was rescheduled from 5 and 11 July 2018 to 6 and 12 July 2018.

ix. No action or limit level exceedance was recorded in this reporting month.

Complaints, Notifications of Summons and Successful Prosecutions

x. No environmental complaint was received in this reporting month.

Site Inspections and Audit

xi. The Environmental Team (ET) conducted weekly site inspection for Contract no. HK/2012/08 in this reporting period. The Contractors rectified major observations and recommendations made during the audit sessions. No non-conformance was identified during the site inspections.

Future Key Issues

xii. In the coming reporting month, the principal work activities of the contract is anticipated as follows:

Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West

- Drainage
- Roadworks

1 INTRODUCTION

1.1 Scope of the Report

1.1.1. Lam Geotechnics Limited (LGL) has been appointed take up the role as the Environmental Team (ET) under Environmental Permit no. EP-376/2009 and Further Environmental Permits no. FEP-01/376/2009 and FEP-02/376/2009 to implement the Environmental Monitoring and Audit (EM&A) programme as stipulated in the EM&A Manual of the approved Environmental Impact Assessment (EIA) Report for Wan Chai Development Phase II and Central-Wan Chai Bypass (Register No.: AEIAR-458/2008).

This report documents the finding of EM&A works for Environmental Permit (EP) no. EP-376/2009 and Further Environmental Permits no. FEP-01/376/2009 and FEP-02/376/2009, during the period of 27th June 2018 to 26th July 2018. The cut-off date of reporting is the 26th of each reporting month.

1.2 Structure of the Report

Section 1 ***Introduction*** – details the scope and structure of the report.

Section 2 ***Project Background*** – summarizes background and scope of the project, site description, project organization and contact details of key personnel during the reporting period.

Section 3 ***Status of Regulatory Compliance*** – summarizes the status of valid Environmental Permits / Licenses during the reporting period.

Section 4 ***Monitoring Requirements*** – summarizes all monitoring parameters, monitoring methodology and equipment, monitoring locations, monitoring frequency, criteria and respective event and action plan and monitoring programmes.

Section 5 ***Monitoring Results*** – summarizes the monitoring results obtained in the reporting period.

Section 6 ***Compliance Audit*** – summarizes the auditing of monitoring results, all exceedances environmental parameters.

Section 7 ***Cumulative Construction Impact due to the Concurrent Projects*** – summarizes the relevant cumulative construction impact due to the concurrent activities of the concurrent Projects.

Section 8 ***Environmental Site Audit*** – summarizes the findings of weekly site inspections undertaken within the reporting period, with a review of any relevant follow-up actions within the reporting period.

Section 9 ***Complaints, Notification of summons and Prosecution*** – summarizes the cumulative statistics on complaints, notification of summons and prosecution

Section 10 ***Conclusion***

2 PROJECT BACKGROUND

2.1 Background

2.1.1 Wan Chai Development phase II and Central-Wan Chai Bypass (hereafter called "the Project") are Designated Project (DP) under the Environmental Impact Assessment Ordinance (Cap. 499) (EIAO). The Environmental Impact Assessment (EIA) Report for Wan Chai Development phase II and Central-Wan Chai Bypass (Register No.: AEIAR-125/2008) has been approved on 11 December 2008.

2.2 Scope of the Project and Site Description

2.2.1. The design and construction of Wan Chai Development Phase II and Central Wanchai Bypass involves the construction and operation of primary and district distributor roads that is shown at ***Figure 2.1***.

2.2.2. The key purpose of the study area encompasses the Wan Chai harbourfront area. The area starts at the boundary of Central Reclamation Phase III (CRIII) at the west and connects to the existing Hung Hing Road at the east. The scope of the project includes:

- A dual 2-lane primary distributor road, Road P2, approximately 0.6km in length; and
- Other new primary and district distributor roads connecting to the slip roads of the Central-Wan Chai Bypass with a total length of approximately 0.7km.

2.2.3. The project also contains various Schedule 2 DP that, under the EIAO, require Environmental Permits (EPs) to be granted by the DEP before they may be either constructed or operated. ***Table 2.1*** summarises the DP under this Project. ***Figure 2.1*** shows the locations of these Schedule 2 DP.

Table 2.1 Schedule 2 Designated Project under this Project

Item	Designated Project	EIAO Reference
DP2	Road P2 and other roads which are classified as primary/district distributor roads	Schedule 2, Part I, A.1

2.2.4. The designated project work II (DP2) was awarded to China State-Leader Joint Venture HK/2012/08 (Contract Title: Wan Chai Development Phase II Central – Wan Chai Bypass at Wan Chai West) as part of the Project works by the Civil Engineering and Development Department (CEDD). The construction work under Contract no. HK/2012/08 was commenced on 13 May 2015.

2.3 Project Organization and Contact Personnel

2.3.1 Civil Engineering and Development Department and Highway Department are the overall project controllers for the Wan Chai Development Phase II and Central-Wan Chai Bypass respectively. For the construction phase of the Project, Project Engineer, Contractor(s), Environmental Team and Independent Environmental Checker are appointed to manage and control environmental issues.

2.3.2 The proposed project organization and lines of communication with respect to environmental protection works are shown in ***Figure 2.2***. Key personnel and contact particulars are summarized in ***Table 2.2***:

Table 2.2 Contact Details of Key Personnel

Party	Role	Post	Name	Contact No.	Contact Fax
AECOM	Engineer's Representative for WDII	Chief Resident Engineer	Ms. Gloria Tang	2587 1778	2587 1877
	Engineer's Representative for CWB	Principal Resident Engineer	Mr. Peter Poon	3922 3388	3912 3010
China State-Build King Joint Venture	Contractor under Contract no. HK/2012/08	Project Director	C. N. LAI	9106 5806	2877 1522
		Site Agent	Mr. George Cheung	9268 1918	
		Environmental Officer	Mr. James Ma	9130 9549	
		Environmental Supervisor	Mr. Y.L. Ho	9856 5669	
Ramboll Hong Kong Limited	Independent Environmental Checker (IEC)	Independent Environmental Checker (IEC)	Mr. David Yeung	3465 2888	3465 2899
Lam Geotechnics Limited	Environmental Team (ET)	Environmental Team Leader (ETL)	Mr. Raymond Dai	2882 3939	2882 3331

2.3.3 In this reporting month, the principal work activities of the contract is included as follows:

Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West

- Drainage
- Roadworks

2.3.4 In coming reporting month, the principal work activities of the contract is anticipated as follows:

Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West

- Drainage
- Roadworks

3 STATUS OF REGULATORY COMPLIANCE

3.1 Status of Environmental Licensing and Permitting under the Project

3.1.1. A summary of the current status on licences and/or permits on environmental protection pertinent to the Project is shown in ***Table 3.1***.

Table 3.1 Summary of the current status on licences and/or permits on environmental protection pertinent to the Project

Permits and/or Licences	Reference No.	Issued Date	Status
Environmental Permit	EP-376/2009	13 Nov 2009	Valid
Further Environmental Permit	FEP-01/376/2009	31 Mar 2015	Valid
Further Environmental Permit	FEP-02/376/2009	1 Aug 2016	Valid

3.1.2. The current status on licences and/or permits on environmental protection pertinent for contract no. HK/2012/08 under FEP-02/376/2009 showed in ***Table 3.2.*** and ***Table 3.3***

Table 3.2 Cumulative Summary of Valid Licences and Permits under Contract no. HK/2012/08

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-01/376/2009	31 Mar 2015	N/A	Valid
	FEP-02/376/2009	1 Aug 2016	N/A	Valid
Notification of Works Under APCO	355439	4 Feb 2013	N/A	Valid
Registration as a Chemical Waste Producer	5213-134-C3790-01	30 Jun 2016	N/A	Valid
Billing Account under Waste Disposal Ordinance	7016883	18 Feb 2013	N/A	Valid
Water Discharge Licence	WT00018470-2014	6 Mar 2014	31 Mar 2019	Valid
Construction Noise Permit	GW-RS1168-17	28 Dec 2017	13 Jan 2018 to 12 Jul 2018	Expired and superseded by GW-RS0602-18
	GW-RS0602-18	10 Jul 2018	13 Jul 2018 to 12 Jan 2019	Valid
	GW-RS0243-18	27 Mar 2018	5 Apr 2018 to 4 Oct 2018	Valid

Table 3.3 Summary of submission status under FEP-01/376/2009 Condition

EP Condition	Submission	Date of Submission
Condition 2.9	Noise Management Plan (Rev. 2)	Generally in order as commented by EPD on 27 Oct 2015
Condition 2.10	Landscape Plan (Rev. 0)	Generally in order as commented by EPD on 5 Aug 2015

3.1.3. Implementation status of the recommended mitigation measures during this reporting month is presented in ***Appendix 3.1***.

4 MONITORING REQUIREMENTS

4.1 Noise Monitoring

NOISE MONITORING STATION

4.1.1. The noise monitoring station for the Project is listed and shown in ***Table 4.1*** and ***Figure 4.1.*** ***Appendix 4.1*** shows the established Action/Limit Levels for the monitoring works.

Table 4.1 Noise Monitoring Station

District	Station	Description
Wan Chai	M1a	Footbridge for Ex-Harbour Road Sports Centre

NOISE MONITORING PARAMETERS, FREQUENCY AND DURATION

4.1.2. The construction noise level shall be measured in terms of the A-weighted equivalent continuous sound pressure level (L_{eq}). $L_{eq\ (30\ minutes)}$ shall be used as the monitoring parameter for the time period between 0700 and 1900 hours on normal weekdays. For all other time periods, $L_{eq\ (5\ minutes)}$ shall be employed for comparison with the Noise Control Ordinance (NCO) criteria. Supplementary information for data auditing, statistical results such as L10 and L90 shall also be obtained for reference.

4.1.3. Noise monitoring shall be carried out at all the designated monitoring stations. The monitoring frequency shall depend on the scale of the construction activities. The following is an initial guide on the regular monitoring frequency for each station on a weekly basis when noise generating activities are underway:

- One set of measurements between 0700 and 1900 hours on normal weekdays.

MONITORING EQUIPMENT

4.1.4. As referred to in the Technical Memorandum ™ issued under the NCO, sound level meters in compliance with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications shall be used for carrying out the noise monitoring. Immediately prior to and following each noise measurement the accuracy of the sound level meter shall be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements may be accepted as valid only if the calibration level from before and after the noise measurement agrees to within 1.0 dB.

4.1.5. Noise measurements shall not be made in fog, rain, wind with a steady speed exceeding 5 m/s or wind with gusts exceeding 10 m/s. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in m/s.

4.2 Air Quality Monitoring

AIR QUALITY MONITORING STATIONS

4.2.1. The air quality monitoring stations for the Project are listed and shown in ***Table 4.2*** and ***Figure 4.1***. ***Appendix 4.1*** shows the established Action/Limit Levels for the monitoring works.

Table 4.2 Air Quality Monitoring Stations

Station ID	Description
CMA5b	Pedestrian Plaza
CMA6a	WDII PRE Site Office

AIR QUALITY MONITORING PARAMETERS, FREQUENCY AND DURATION

4.2.2. One-hour and 24-hour TSP levels should be measured to indicate the impacts of construction dust on air quality. The 24-hour TSP levels shall be measured by following the standard high volume sampling method as set out in the Title 40 of the Code of Federal Regulations, Chapter 1 (Part 50), Appendix B.

4.2.3. All relevant data including temperature, pressure, weather conditions, elapsed-time meter reading for the start and stop of the sampler, identification and weight of the filter paper, and any other local atmospheric factors affecting or affected by site conditions, etc., shall be recorded down in detail.

4.2.4. For regular impact monitoring, the sampling frequency of at least once in every six-days, shall be strictly observed at all the monitoring stations for 24-hour TSP monitoring. For 1-hour TSP monitoring, the sampling frequency of at least three times in every six-days should be undertaken when the highest dust impact occurs.

SAMPLING PROCEDURE AND MONITORING EQUIPMENT

4.2.5. High volume samplers (HVSs) in compliance with the following specifications shall be used for carrying out the 1-hour and 24-hour TSP monitoring:

- 0.6 – 1.7 m^3 per minute adjustable flow range;
- Equipped with a timing / control device with +/- 5 minutes accuracy for 24 hours operation;
- Installed with elapsed-time meter with +/- 2 minutes accuracy for 24 hours operation;
- Capable of providing a minimum exposed area of 406 cm2;
- Flow control accuracy: +/- 2.5% deviation over 24-hour sampling period;
- Equipped with a shelter to protect the filter and sampler;
- Incorporated with an electronic mass flow rate controller or other equivalent devices;
- Equipped with a flow recorder for continuous monitoring;

- Provided with a peaked roof inlet;
- Incorporated with a manometer;
- Able to hold and seal the filter paper to the sampler housing at horizontal position;
- Easily changeable filter; and
- Capable of operating continuously for a 24-hour period.

4.2.6. Initial calibration of dust monitoring equipment shall be conducted upon installation and thereafter at bi-monthly intervals. The transfer standard shall be traceable to the internationally recognized primary standard and be calibrated annually. The concern parties such as IEC shall properly document the calibration data for future reference. All the data should be converted into standard temperature and pressure condition.

LABORATORY MEASUREMENT / ANALYSIS

4.2.7. A clean laboratory with constant temperature and humidity control, and equipped with necessary measuring and conditioning instruments to handle the dust samples collected, shall be available for sample analysis, and equipment calibration and maintenance. The laboratory should be HOKLAS accredited.

4.2.8. Filter paper of size 8” x 10” shall be labelled before sampling. It shall be a clean filter paper with no pinholes, and shall be conditioned in a humidity-controlled chamber for over 24-hours and be pre-weighed before use for the sampling.

4.2.9. After sampling, the filter paper loaded with dust shall be kept in a clean and tightly sealed plastic bag. The filter paper shall then be returned to the laboratory for reconditioning in the humidity controlled chamber followed by accurate weighing by an electronic balance with readout down to 0.1 mg. The balance shall be regularly calibrated against a traceable standard.

4.2.10. All the collected samples shall be kept in a good condition for 6 months before disposal.

4.2.11. Current calibration certificates of equipment are presented in ***Appendix 4.2***.

5 MONITORING RESULTS

5.0.1. The environmental monitoring will be implemented based on the division of works areas of the designated project managed under the contract with FEP applied by individual contractors. Overall layout showing work areas of various contracts, latest status of work commencement and monitoring stations is shown in ***Figure 2.1*** and ***Figure 4.1***. The monitoring results are presented in according to the Individual Contract(s).

5.0.2. In the reporting month, the concurrent contract is:

- Contract no. HK/2012/08 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai West.

5.0.3. The environment monitoring schedules for reporting month and coming month are presented in ***Appendix 5.1***.

5.1 Noise Monitoring Results

5.1.1 The proposed division of noise monitoring station is summarized in ***Table 5.1*** below.

Table 5.1 Noise Monitoring Station for Contract no. HK/2012/08

Location ID	District	Description
M1a	Wan Chai	Footbridge for Ex-Harbour Road Sports Centre

5.1.2 No action or limit level exceedance was recorded in this reporting month.

5.1.3 The noise monitoring results measured in this reporting period are reviewed and summarized. Details of the noise monitoring results and graphical presentation can be referred to ***Appendix 5.2***.

5.2 Air Quality Monitoring Results

5.2.1 The proposed division of air quality monitoring stations are summarized in ***Table 5.2*** below.

Table 5.2 Air Quality Monitoring Station for Contract no. HK/2012/08

Station	Description
CMA5b	Pedestrian Plaza
CMA6a	WDII PRE Site Office

5.2.2 Due to interruption of electricity, the 24hr TSP monitoring at Pedestrian Plaza was rescheduled from 5 and 11 July 2018 to 6 and 12 July 2018.

5.2.3 No action or limit level exceedance was recorded at CMA5b – Pedestrian Plaza and CMA6a – WDII PRE Site Office in this reporting month.

5.2.4 The air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air quality monitoring results and graphical presentation can be referred in ***Appendix 5.3***.

5.3 WASTE MONITORING RESULTS

5.3.1 No Inert and non-inert C&D wastes disposed in this reporting month. Details of the waste flow table are summarized in ***Table 5.3***.

Table 5.3 Details of Waste Disposal for Contract no. HK/2012/08

Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m3	NIL	NIL	NIL
Inert C&D materials recycled, m3	NIL	NIL	NIL
Non-inert C&D materials disposed, m3	NIL	NIL	NIL
Non-inert C&D materials recycled, m3	NIL	NIL	NIL
Chemical waste disposed, kg	NIL	NIL	NIL

6 COMPLIANCE AUDIT

6.0.1. The Event Action Plan for construction noise and air quality are presented in ***Appendix 6.1***.

6.1 Noise Monitoring

6.1.1 No action or limit level exceedance was recorded in this reporting month.

6.2 Air Quality Monitoring

6.2.1 Due to interruption of electricity, the 24hr TSP monitoring at Pedestrian Plaza was rescheduled from 5 and 11 July 2018 to 6 and 12 July 2018.

6.2.2 No action or limit level exceedance was recorded at CMA5b – Pedestrian Plaza and CMA6a – WDII PRE Site Office in this reporting month.

6.3 Review of the Reasons for and the Implications of Non-compliance

6.3.1 There was no non-compliance from the site audits in the reporting period. The observations and recommendations made in each individual site audit session were presented in Section 8.

6.4 Summary of action taken in the event of and follow-up on non-compliance

6.4.1 There was no particular action taken since no non-compliance was recorded from the site audits in the reporting period.

7 CUMULATIVE CONSTRUCTION IMPACT DUE TO THE CONCURRENT PROJECTS

7.0.1. According to the Condition 3.4 of the EP-376/2009, this section addresses the relevant cumulative construction impact due to the concurrent activities of the current projects including the Central Reclamation Phase III (CRIII), Wan Chai Development Phase II (WDII), Central-WanChai Bypass (CWB), Island Eastern Corridor Link projects (IECL) and Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East (CWB Tunnel).

7.0.2. According to the Final EM&A report of Central Reclamation Phase III (CRIII) for Contract HK 12/02, the major construction activities were completed by end of January 2014 and no construction activities were undertaken thereafter and the water quality monitoring was completed in October 2011. As such, it is considered that there were no cumulative construction impact due to the concurrent activities of the current projects with the Central Reclamation Phase III (CRIII) undertaken by contractor HK12/02 in the reporting month.

7.0.3. According to the construction programme of Central-Wanchai Bypass at Wanchai West at the Central Reclamation Phase III area include roadworks, drainage and seawall coping were performed in July 2018 reporting period. As no project related exceedance were recorded during the reporting period, cumulative construction impact due to the concurrent activities of the current projects with the Central Reclamation Phase III (CRIII) was considered as insignificant.

7.0.4. According to the construction programme of Wan Chai Development Phase II, Central-Wan Chai Bypass and Island Eastern Corridor Link projects, the major construction activities under Wan Chai Development Phase II were road and drains construction and removal of temporary reclamation at Wan Chai. The major construction activities under Central-Wan Chai Bypass and Island Eastern Corridor Link Projects were ventilation building construction junction modification at Central; reinstatement works along Causeway Bay Typhoon Shelter, road works and landscape works at Victoria Park; bridge construction, approach ramp construction, landscape deck construction, drainage construction and ventilation building construction at North Point area in the reporting period. In addition, other non-Wan Chai Development Phase II, Central-Wan Chai Bypass and Island Eastern Corridor Link projects were observed undertaken at Wan Chai North and North Point area.

7.0.5. No significant air impact from construction activities was anticipated in the reporting month. Besides, no project related exceedance was recorded during the water, air and noise environmental monitoring events in the reporting month. Thus, it is evaluated that the cumulative construction impact from the concurrent projects including Central Reclamation Phase III (CRIII), Wan Chai Development Phase II (WDII), Central-WanChai Bypass (CWB), Island Eastern Corridor Link projects (IECL) was insignificant.

8 ENVIRONMENTAL SITE AUDIT

8.0.1. Five site inspections for Contract no. HK/2012/08 were carried out on 3, 10, 17 and 24 July 2018 in this reporting period. The results of inspection and outcome are summarized in ***Table 8.1.***

Table 8.1 Summary of Environmental Inspections for Contract no. HK/2012/08

Item	Date	Observations	Action taken by Contractor	Outcome
180703_01	3-Jul-18	Labelling of chemical containers shall be provided for clearer identification of chemicals on site. Drip tray shall be provided for chemical containers.	Chemical containers were removed.	Completion as observed on 10 July 2018
180703_02	3-Jul-18	Contractor shall provide cleaning to the entrance of site. (Expo Drive)	Entrance of site was observed clean.	Completion as observed on 10 July 2018
180710_01	10-Jul-18	Oil stain should be cleared as chemical waste and shall be properly handle and disposal (Zone C, Expo Drive)	Chemical containers were removed.	Completion as observed on 17 July 2018
180710_02	10-Jul-18	Covering should be provided to idle stockpile on site. (Zone C)	Idle stockpile was observed covered	Completion as observed on 17 July 2018
180710_03	10-Jul-18	Contractor shall enhance the mitigation measure including maintenance of embankment and cleaning the mud sitting along the seawall and covering the exposed surface to prevent surface runoff. (Seawall along P2 road)	Embankment was observed maintained and the mud sitting along the seawall was cleaned. Exposed surface was covered by tarpaulin and no surface runoff was observed.	Completion as observed on 24 July 2018
180710_04	10-Jul-18	Contractor shall provide cleaning to the entrance of site. (Lung King Street)	Entrance of site was observed clean.	Completion as observed on 17 July 2018
180717_01	17-Jul-18	Contractor shall keep the public road clean. (P2 road)	Public road was cleaned.	Completion as observed on 31 July 2018
180724_01	24-Jul-18	Oil stain should be cleared as chemical waste and shall be properly handle and disposal (Zone C)	Oil stain was removed.	Completion as observed on 31 July 2018

9 COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTION

9.0.1. No environmental complaint was received in the reporting period.

9.0.2. The details of cumulative complaint log and updated summary of complaints are presented in ***Appendix 9.1***

9.0.3. Cumulative statistic on complaints and successful prosecutions are summarized in ***Table 9.1*** and ***Table 9.2*** respectively.

Table 9.1 Cumulative Statistics on Complaints

Reporting Period	No. of Complaints
Commencement works (May 2015) to last reporting month	0
July 2018	0
Total	0

Table 9.2 Cumulative Statistics on Successful Prosecutions

Environmental Parameters	Cumulative No. Brought Forward	No. of Successful Prosecutions this month (Offence Date)	Cumulative No. Project-to-Date
Air	0	0	0
Noise	0	0	0
Water	0	0	0
Waste	0	0	0
Total	**0**	**0**	**0**

10 CONCLUSION

10.0.1. The EM&A programme was carried out in accordance with the EM&A Manual requirements, minor alterations to the programme proposed were made in response to changing circumstances.

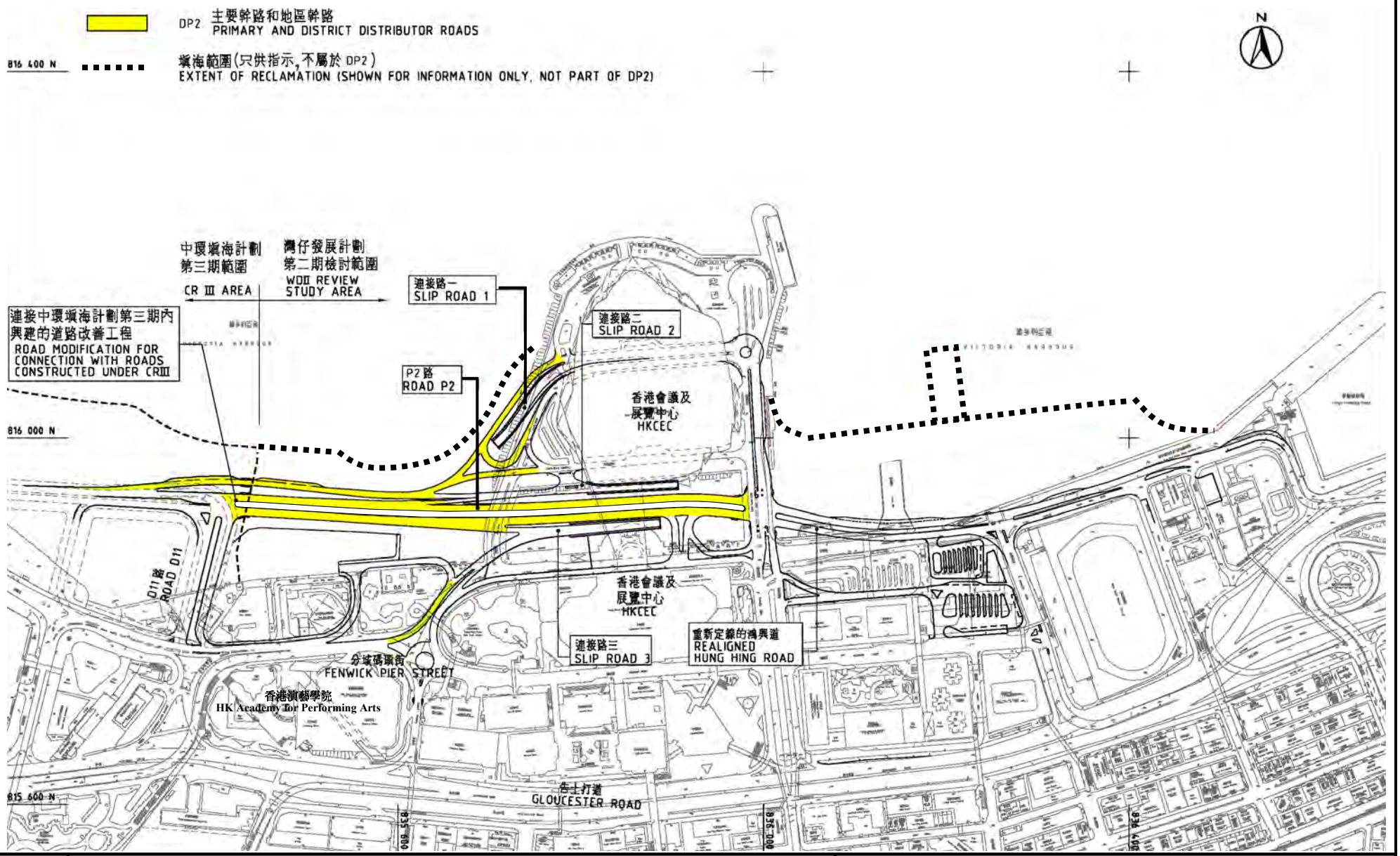
10.0.2. The scheduled construction activities and the recommended mitigation measures for the coming month are listed in ***Table 10.1***. The construction programmes of individual contracts are provided in ***Appendix 10.1***.

Table 10.1 Summary of Key Construction Activities of Individual Contract(s) to be commenced in Coming Reporting Month

Contract No.	Key Construction Works	Recommended Mitigation Measures
HK/2012/08	• Drainage • Roadworks	• Dust control during dust generating works; • Implementation of proper noise pollution control; and • Provision of protection to ensure no runoff out of site area or direct discharge into public drainage system

Figure 2.1

Project Layout



Project Title : Road P2 and other roads which are classified as primary/district distributor roads (referred to as "DP2" in the WDII&CWB EIA Report)
工程項目名稱 : P2路及其他分類爲主要幹路或地區幹路的道路(WDII&CWB 環評報告內稱"DP2")
Environmental Permit No. : EP-376/2009
環境許可證編號 : EP-376/2009

Figure 1: Location of the Project
圖 1: 工程項目位置圖

(This figure was prepared based on Figure 1.2b of the WDII&CWB EIA report (Register No.: AEIAR-125/2008))
(本圖是根據 WDII&CWB 環評報告(登記冊編號 AEIAR-125/2008)圖 1.2b 編制)

Figure 2.2

Project Organization Chart

Project Organization Chart

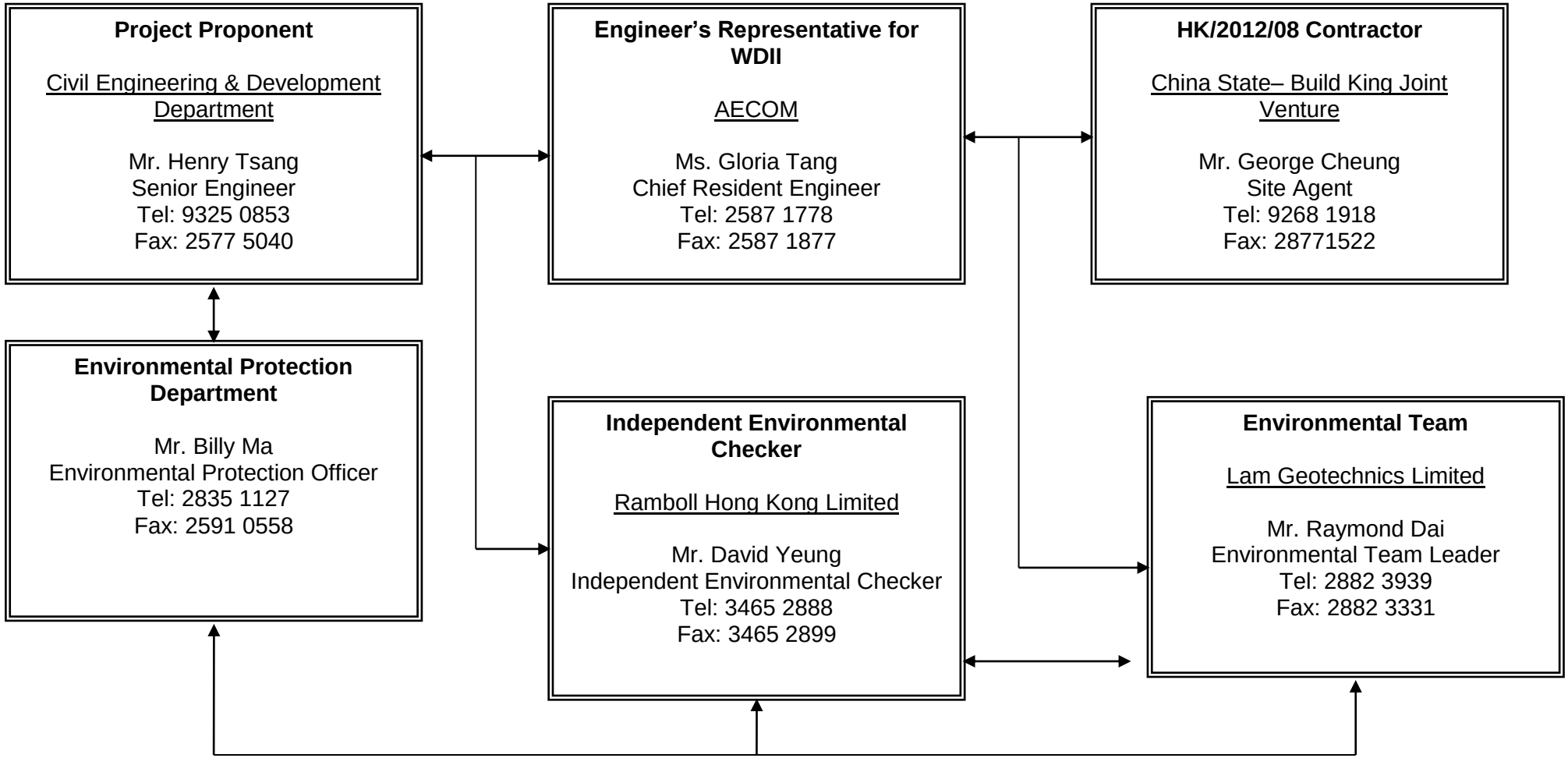
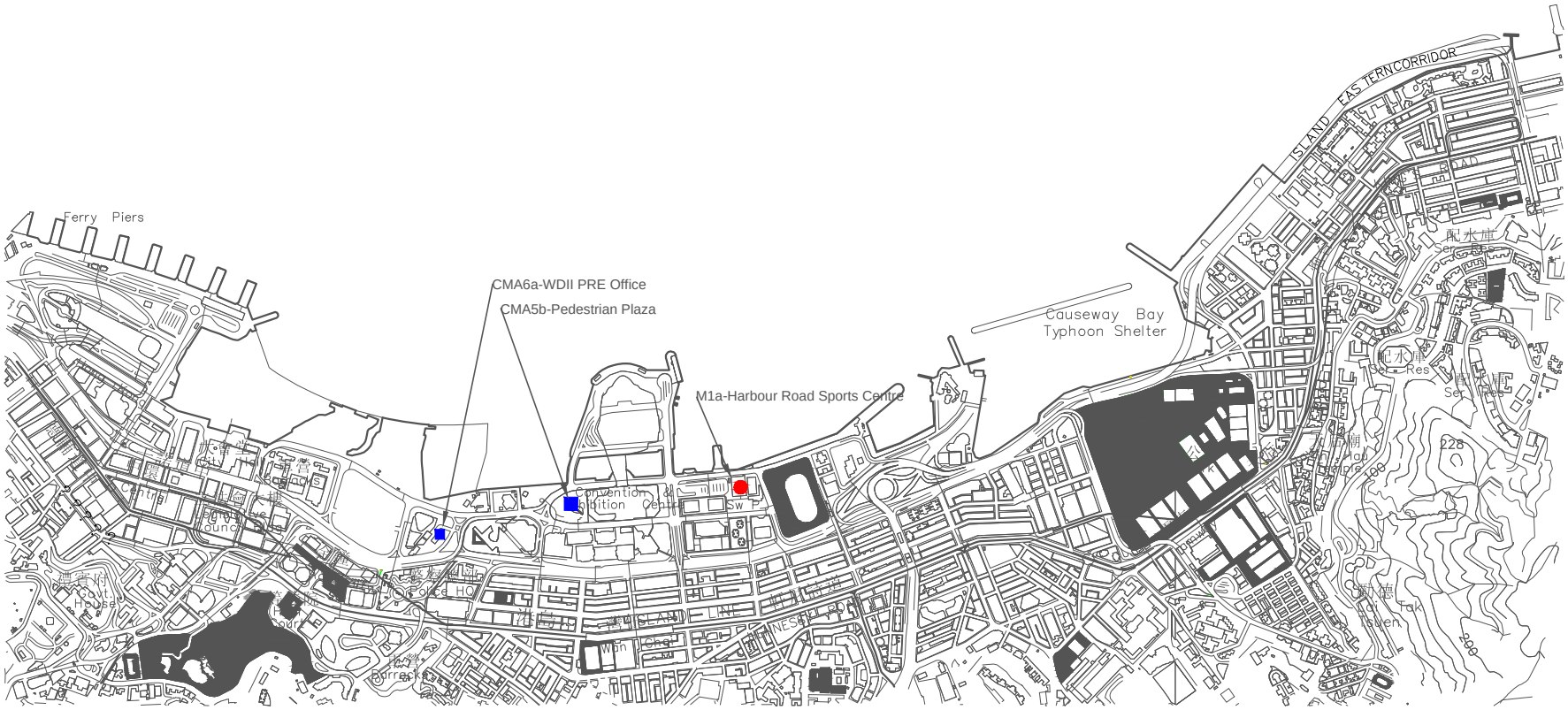


Figure 4.1

Locations of Monitoring Stations



LOCATIONS OF AIR QUALITY AND NOISE MONITORING STATIONS

Appendix 3.1

Environmental Mitigation Implementation Schedule

Appendix A
Table A13.1 Implementation Schedule for Air Quality Control
Table A13.2 Implementation Schedule for Noise Control
Table A13.3 Implementation Schedule for Water Quality Control
Table A13.4 Implementation Schedule for Waste Management
Table A13.7 Implementation Schedule for Landscape and Visual

IMPLEMENTATION SCHEDULE OF THE PROPOSED MITIGATION MEASURES

Table A13.1 Implementation Schedule for Air Quality Control

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation stage				Relevant Legislation and Guidelines
				Des	C	O	Dec	
Construction Phase								
For the Whole Project								
S3.6.5	Four times a day watering of the work site with active operations.	Work site / during construction	Contractor		√			EIAO-TM
S3.8.1	Implementation of dust suppression measures stipulated in Air Pollution Control (Construction Dust) Regulation. The following mitigation measures, good site practices and a comprehensive dust monitoring and audit programme are recommended to minimise cumulative dust impacts. ▪ Strictly limit the truck speed on site to below 10 km per hour and water spraying to keep the haul roads in wet condition; ▪ Watering during excavation and material handling; ▪ Provision of vehicle wheel and body washing facilities at the exit points of the site, combined with cleaning of public roads where necessary; and ▪ Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations.	Work site / during construction	Contractor		√			

▪ Des - Design, C - Construction, O – Operation, and Dec – Decommissioning

Table A13.2 Implementation Schedule for Noise Control

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation stage				Relevant Legislation and Guidelines
				Des	C	O	Dec	
Construction Phase								
For the Whole Project								
S4.9.4	Good Site Practice: ▪ Only well-maintained plant shall be operated on-site and plant shall be serviced regularly during the construction program. ▪ Silencers or mufflers on construction equipment shall be utilized and shall be properly maintained during the construction program. ▪ Mobile plant, if any, shall be sited as far away from NSRs as possible. ▪ Machines and plant (such as trucks) that may be in intermittent use shall be shut down between works periods or shall be throttled down to a minimum. ▪ Plant known to emit noise strongly in one direction shall, wherever possible, be orientated so that the noise is directed away from the nearby NSRs. ▪ Material stockpiles and other structures shall be effectively utilized, wherever practicable, in screening noise from onsite construction activities.	Work site / during construction	Contractor		√			EIAO-TM, NCO
For DP2 – WDII Major Roads (Road P2)								
S4.8.3 – S4.8.4	Use of quiet powered mechanical equipment, movable noise barrier and temporary noise barrier for the following tasks: ▪ Temporary road diversion ▪ Resurfacing ▪ At-grade roadwork	Work site / during construction	Contractor		√			EIAO-TM, NCO

- Des - Design, C - Construction, O – Operation, and Dec – Decommissioning

Table A13.3 Implementation Schedule for Water Quality Control

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation stage				Relevant Legislation and Guidelines
				Des	C	O	Dec	
Construction Phase								
For the Whole Project								
S5.8	*Construction Runoff and Drainage* ▪ use of sediment traps, wheel washing facilities for vehicles leaving the site, and adequate maintenance of drainage systems to prevent flooding and overflow; ▪ Permanent drainage channels shall incorporate sediment basins or traps and baffles to enhance deposition rates. The design of efficient silt removal facilities shall be based on the guidelines in Appendix A1 of ProPECC PN 1/94; ▪ a sediment tank constructed from pre-formed individual cells of approximately 6 - 8 m3 capacity can be used for settling ground water prior to disposal; ▪ Oil interceptors shall be provided in the drainage system for the tunnels and regularly cleaned to prevent the release of oils and grease into the storm water drainage system after accidental spillages. The interceptor shall have a bypass to prevent flushing during periods of heavy rain; precautions and actions to be taken when a rainstorm is imminent or forecast, and during or after rainstorms. Particular attention shall be paid to the control of any silty surface runoff during storm events; ▪ On-site drainage system shall be installed prior to the commencement of other construction activities. Sediment traps shall be	Work site / during construction	Contractor		√			ProPECC PN 1/94; WPCO (TM-DSS)

	installed in order to minimise the sediment loading of the effluent prior to discharge; ▪ All temporary and permanent drainage pipes and culverts provided to facilitate runoff discharge shall be adequately designed for the controlled release of storm flows. All sediment control measures shall be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rain storms. ▪ The temporarily diverted drainage shall be reinstated to its original condition when the construction work is finished or the temporary diversion is no longer required. ▪ All fuel tanks and store areas shall be provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity. ▪ Minimum distances of 100 m shall be maintained between the storm water discharges and the existing or planned WSD flushing water intakes during construction phase.							
S5.8	*Sewage from Construction Work Force* Construction work force sewage discharges on site shall be connected to the existing trunk sewer or sewage treatment facilities. The construction sewage shall be handled by portable chemical toilets prior to the commission of the on-site sewer system. Appropriate numbers of portable toilets shall be provided by a licensed contractor to serve the large number of construction workers over the construction site. The Contractor shall also be responsible for waste disposal and maintenance practices.	Work site / during construction	Contractor		√			ProPECC PN 1/94; WPCO (TM-DSS)

S5.8	*Floating Debris and Refuse* Collection and removal of floating refuse shall be performed at regular intervals on a daily basis. The contractor shall be responsible for keeping the water within the site boundary and the neighbouring water free from rubbish.	Work site and adjacent water / During the construction period.	Contractor		√			WPCO
S5.8	*Storm Water Discharges* Minimum distances of 100 m shall be maintained between the existing or planned stormwater discharges and the existing or planned WSD flushing water intakes.	Work site and adjacent water / During the design and construction period.	Contractor	√	√			WPCO

- Des - Design, C - Construction, O – Operation, and Dec – Decommissioning

Table A13.4 Implementation Schedule for Waste Management

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation stage				Relevant Legislation and Guidelines
				Des	C	O	Dec	
Construction Phase								
For the Whole Project								
S6.7.7	*Good Site Practices* Recommendations for good site practices during the construction activities include: ▪ nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site; ▪ training of site personnel in proper waste management and chemical waste handling procedures; ▪ provision of sufficient waste disposal points and regular collection for disposal; ▪ appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; ▪ regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors; and ▪ a recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites).	Work site / During planning and design stage, and construction stage	Contractor		√			
S.6.7.8	*Waste Reduction Measures* Recommendations to achieve waste reduction include: • Sort C&D waste from demolition of the existing waterfront structures to recover	Work site / During planning and design stage, and construction stage	Contractor	√	√			

	recyclable portions such as metals. • Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal. • Encourage collection of aluminium cans, PET bottles and paper by providing separate labelled bins to enable these wastes to be segregated from other general refuse generated by the work force. • Any unused chemicals or those with remaining functional capacity shall be recycled. • Use of reusable non-timber formwork, such as in casting the tunnel box sections, to reduce the amount of C&D material. • Proper storage and site practices to minimise the potential for damage or contamination of construction materials. • Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.							
S6.7.10	*General Refuse* General refuse shall be stored in enclosed bins or compaction units separate from C&D material. A licensed waste collector shall be employed by the contractor to remove general refuse from the site, separately from C&D material. A collection area shall be provided where wastes can be stored and loaded prior to removal from site. An enclosed and covered area is recommended to reduce the occurrence of 'wind blow' light material.	Work site / During the construction period	Contractor		√			Public Health and Municipal Services Ordinance (Cap. 132)

S6.7.11	*Chemical Wastes* After use, chemical wastes (for example, cleaning fluids, solvents, lubrication oil and fuel) shall be handled according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Spent chemicals shall be collected by a licensed collector for disposal at the CWTF or other licensed facility in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	Work site / During the construction period	Contractor		√			Waste Disposal (Chemical Waste) (General) Regulation Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes
S6.7.12 – S6.7.13	*Construction and Demolition Material* C&D material shall be sorted on-site into inert C&D material (that is, public fill) and C&D waste. All the suitable inert C&D material shall be broken down to 250 mm in size for reuse as public fill in the WDII reclamation. C&D waste, such as wood, glass, plastic, steel and other metals shall be reused or recycled and, as a last resort, disposed of to landfill. A suitable area shall be designated to facilitate the sorting process and a temporary stockpiling area will be required for the separated materials. In order to monitor the disposal of public fill and C&D waste at public fill reception facilities and landfills, respectively, and to control fly tipping, a trip-ticket system shall be included as one of the contractual requirements and implemented by the Environmental Team undertaking the environmental monitoring and audit work. An Independent Environment Checker shall be responsible for auditing the results of the system.	Work site / During the construction period	Contractor and Independent Environmental Checker		√			DEVB TCW No.6/2010; ETWB TCW No. 33/2002; ETWB TCW No. 19/2005
S6.7.14	*Bentonite Slurry* The disposal of residual used bentonite slurry shall follow the good practice guidelines stated	Work site / During the construction period	Contractor		√			ProPECC PN 1/94

	in ProPECC PN 1/94 "Construction Site Drainage" and listed as follows: ▪ If the disposal of a certain residual quantity cannot be avoided, the used slurry may be disposed of at the marine spoil grounds subject to obtaining a marine dumping licence from EPD on a case-by-case basis. ▪ If the used bentonite slurry is intended to be disposed of through the public drainage system, it shall be treated to the respective effluent standards applicable to foul sewers, storm drains or the receiving waters as set out in the Technical Memorandum of Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters. ▪ If the used bentonite slurry is intended to be disposed to public fill reception facilities, it will be mixed with dry soil on site before disposal.							

- Des - Design, C - Construction, O – Operation, and Dec – Decommissioning

Table A13.7 Implementation Schedule for Landscape and Visual

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation stage				Relevant Legislation and Guidelines
				Des	C	O	Dec	
Construction Phase								
For the Whole Project								
Table 10.5	CM1 Topsoil, where identified, shall be stripped and stored for re-use in the construction of the soft landscape works, where practical.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM2 Existing trees to be retained on site shall be carefully protected during construction.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM3 Trees unavoidably affected by the works shall be transplanted where practical.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM4 Compensatory tree planting shall be provided to compensate for felled trees.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM5 Control of night-time lighting.	Work site / During Construction Phase	Contractor		√			EIAO TM
Table 10.5	CM6 Erection of decorative screen hoarding compatible with the surrounding setting.	Work site / During Construction Phase	Contractor		√			EIAO TM
For DP2 – WDII Major Roads (Road P2)								
Table 10.5	CM1 Topsoil, where identified, shall be stripped and stored for re-use in the construction of the soft landscape works, where practical.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM2 Existing trees to be retained on site shall be carefully protected during construction.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM3 Trees unavoidably affected by the works shall be transplanted where practical.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM4 Compensatory tree planting shall be provided to compensate for felled trees.	Work site / During Construction Phase	Contractor	√	√			EIAO TM
Table 10.5	CM5 Control of night-time lighting.	Work site / During Construction Phase	Contractor		√			EIAO TM
Table 10.5	CM6 Erection of decorative screen hoarding compatible with the surrounding setting.	Work site / During Construction Phase	Contractor		√			EIAO TM

Operation Phase								
For DP2 – WDII Major Roads (Road P2)								
Table 10.6, Figure 10.5.1-10.5.5	OM1 Aesthetic design of buildings and road-related structures, including viaducts, vent buildings, subways, footbridges and noise barriers and enclosure.	Work site / During Design Stage and Operation Phases	CEDD/HyD		√	√		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM3 Buffer Tree and Shrub Planting to screen proposed roads and associated structures.	Work site / During Design Stage and Operation Phases	CEDD/HyD		√	√		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM5 Aesthetic streetscape design.	Work site / During Design Stage and Operation Phases	CEDD/HyD		√	√		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1-10.5.5	OM6 Aesthetic design of roadside amenity areas	Work site / During Design Stage and Operation Phases	CEDD/HyD		√	√		ETWB TCW 2/2004

- Des - Design, C - Construction, O – Operation, and Dec – Decommissioning

Appendix 4.1

Action and Limit Level

Action and Limit Level

Action and Limit Level for Noise Monitoring

Time Period	Action Level	Limit Level
07:00 - 19:00 hours on normal weekdays	When one documented complaint is received.	75 dB(A)

Notes: If works are to be carried out during restricted hours, the conditions stipulated in the Construction Noise Permit (CNP) issued by the Noise Control Authority have to be followed.
**The Limit level shall be 70 dB(A) and 65 dB(A) for educational institute during normal teaching periods and school examination periods, respectively.*

Action and Limit Level for Air Monitoring

Monitoring Locations	1-hour TSP Level inμg/m3		24-hour TSP Level inμg/m3	
	Action Level	Limit Level	Action Level	Limit Level
CMA5b Pedestrian Plaza	339.7	500	209.9	260
CMA6a WDII PRE Site Office	333.0	500	207.1	260

Appendix 4.2

Copies of Calibration Certificates

TISCH Environmental

RECALIBRATION DUE DATE:
January 24, 2019

Certificate of Calibration

Calibration Certification Information				
Cal. Date:	January 24, 2018	**Rootsmeter S/N:** 438320	**Ta:** 293	°K
Operator:	Jim Tisch		**Pa:** 756.9	mm Hg
Calibration Model #:	TE-5025A	**Calibrator S/N:** **3166**		

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4430	3.2	2.00
2	3	4	1	1.0270	6.4	4.00
3	5	6	1	0.9220	7.9	5.00
4	7	8	1	0.8780	8.7	5.50
5	9	10	1	0.7270	12.6	8.00

Data Tabulation

Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H\left(Ta/Pa\right)}$ (y-axis)
1.0087	0.6990	1.4233	0.9958	0.6901	0.8799
1.0044	0.9780	2.0129	0.9915	0.9655	1.2443
1.0024	1.0872	2.2505	0.9896	1.0733	1.3912
1.0013	1.1404	2.3603	0.9885	1.1259	1.4591
0.9961	1.3701	2.8467	0.9834	1.3526	1.7598
QSTD	**m=**	**2.12231**	**QA**	**m=**	**1.32895**
	b=	**-0.06016**		**b=**	**-0.03719**
	r=	**0.99999**		**r=**	**0.99999**

Calculations

Vstd=	ΔVol((Pa-ΔP)/Pstd)(Tstd/Ta)	**Va=**	ΔVol((Pa-ΔP)/Pa)
Qstd=	Vstd/ΔTime	**Qa=**	Va/ΔTime

For subsequent flow rate calculations:

Qstd= $1/m\left(\left(\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}\right)-b\right)$

Qa= $1/m\left(\left(\sqrt{\Delta H\left(Ta/Pa\right)}\right)-b\right)$

Standard Conditions	
Tstd:	298.15 °K
Pstd:	760 mm Hg

Key
ΔH: calibrator manometer reading (in H2O)
ΔP: rootsmeter manometer reading (mm Hg)
Ta: actual absolute temperature (°K)
Pa: actual barometric pressure (mm Hg)
b: intercept
m: slope

RECALIBRATION
US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30

Tisch Environmental, Inc.
145 South Miami Avenue
Village of Cleves, OH 45002

www.tisch-env.com
TOLL FREE: (877)263-7610
FAX: (513)467-9009

Calibration Data for High Volume Sampler (TSP Sampler)

Location	:	CMA5b	**Calibration Date**	:	04-May-18
Equipment no.	:	HVS010	**Calibration Due Date**	:	04-Jul-18

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition					
Temperature, T_a	297	Kelvin	**Pressure, P_a**	1016	mmHg

Orifice Transfer Standard Information					
Equipment No.	**Ori002**	**Slope, m_c**	2.12231	**Intercept, bc**	-0.06016
Last Calibration Date	19-Jan-18	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$			
Next Calibration Date	19-Jan-19	$= m_c \times Q_{std} + b_c$			

Calibration of TSP

Calibration Point	**Manometer Reading H (inches of water)** (up)	(down)	(difference)	**Q_{std}** (m^3 / min.) **X-axis**	**Continuous Flow Recorder, W** (CFM)	**IC** $(W(P_a/1013.3 \times 298/T_a)^{1/2}/35.31)$ **Y-axis**
1	1.5	1.5	3.0	0.8469	30	30.0905
2	2.3	2.3	4.6	1.0420	38	38.1146
3	3.9	3.9	7.8	1.3483	46	46.1387
4	5.0	5.0	10.0	1.5229	52	52.1568
5	6.4	6.4	12.8	1.7192	56	56.1689

By Linear Regression of Y on X

Slope, m = 29.7383 Intercept, b = 5.9977

Correlation Coefficient* = 0.9953

Calibration Accepted = Yes/~~No~~**

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : As per client's provided information, the equipment reference no. of the calibrated High Volume Sampler has been re-assigned from EL222 to HVS010 with respect to the update in quality management system.

Calibrated by	:	Jackey MA	**Checked by**	:	Pauline Wong
Date	:	04-May-18	**Date**	:	04-May-18

Calibration Data for High Volume Sampler (TSP Sampler)

Location	: CMA5b	**Calibration Date**	: 27-Jun-18
Equipment no.	: HVS010	**Calibration Due Date**	: 27-Aug-18

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition					
Temperature, T_a	302.2	Kelvin	**Pressure, P_a**	1010	mmHg

Orifice Transfer Standard Information					
Equipment No.	**Ori002**	**Slope, m_c**	2.12231	**Intercept, bc**	-0.06016
Last Calibration Date	19-Jan-18	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$			
Next Calibration Date	19-Jan-19	$= m_c \times Q_{std} + b_c$			

Calibration of TSP

Calibration Point	Manometer Reading H (inches of water) (up)	(down)	(difference)	Q_{std} (m^3 / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC $(W(P_a/1013.3 \times 298/T_a)^{1/2}/35.31)$ Y-axis
1	1.5	1.5	3.0	0.8375	28	27.7594
2	2.3	2.3	4.6	1.0302	36	35.6907
3	3.5	3.5	7.0	1.2643	43	42.6306
4	4.3	4.3	8.6	1.3983	47	46.5962
5	5.5	5.5	11.0	1.5777	52	51.5532

By Linear Regression of Y on X

Slope, m = 31.7389 Intercept, b = 2.0745

Correlation Coefficient* = 0.9968

Calibration Accepted = Yes/~~No~~**

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : As per client's provided information, the equipment reference no. of the calibrated High Volume Sampler has been re-assigned from EL222 to HVS010 with respect to the update in quality management system.

Calibrated by	: Natalie Lau	**Checked by**	: Pauline Wong
Date	: 27-Jun-18	**Date**	: 27-Jun-18

Calibration Data for High Volume Sampler (TSP Sampler)

Location	:	CMA6a	**Calibration Date**	:	04-May-18
Equipment no.	:	HVS013	**Calibration Due Date**	:	04-Jul-18

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition					
Temperature, T_a	297	Kelvin	**Pressure, P_a**	1016	mmHg

Orifice Transfer Standard Information					
Equipment No.	**Ori002**	**Slope, m_c**	2.12231	**Intercept, bc**	-0.06016
Last Calibration Date	19-Jan-18	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$			
Next Calibration Date	19-Jan-19	$= m_c \times Q_{std} + b_c$			

Calibration of TSP

Calibration Point	Manometer Reading H (inches of water) (up)	(down)	(difference)	Q_{std} (m^3 / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC $(W(P_a/1013.3 \times 298/T_a)^{1/2}/35.31)$ Y-axis
1	1.5	1.5	3.0	0.8469	30	30.0905
2	2.4	2.4	4.8	1.0638	36	36.1086
3	3.8	3.8	7.6	1.3312	44	44.1327
4	4.8	4.8	9.6	1.4927	50	50.1508
5	5.8	5.8	11.6	1.6380	56	56.1689

By Linear Regression of Y on X

Slope, m	=	32.6286	Intercept, b	=	1.7447
Correlation Coefficient*	=	0.9968			
Calibration Accepted	=	Yes/~~No~~**			

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : As per client's provided information, the equipment reference no. of the calibrated High Volume Sampler has been re-assigned from EL551 to HVS013 with respect to the update in quality management system.

Calibrated by	:	Jackey MA	**Checked by**	:	Pauline Wong
Date	:	04-May-18	**Date**	:	04-May-18

Calibration Data for High Volume Sampler (TSP Sampler)

Location	:	CMA6a	**Calibration Date**	:	27-Jun-18
Equipment no.	:	HVS013	**Calibration Due Date**	:	27-Aug-18

CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition					
Temperature, T_a	302.2	Kelvin	**Pressure, P_a**	1010	mmHg

Orifice Transfer Standard Information					
Equipment No.	**Ori002**	**Slope, m_c**	2.12231	**Intercept, bc**	-0.06016
Last Calibration Date	19-Jan-18	$(H \times P_a / 1013.3 \times 298 / T_a)^{1/2}$			
Next Calibration Date	19-Jan-19	$= m_c \times Q_{std} + b_c$			

Calibration of TSP

Calibration Point	Manometer Reading H (inches of water) (up)	(down)	(difference)	Q_{std} (m^3 / min.) X-axis	Continuous Flow Recorder, W (CFM)	IC $(W(P_a/1013.3 \times 298/T_a)^{1/2}/35.31)$ Y-axis
1	1.6	1.6	3.2	0.8640	30	29.7423
2	2.6	2.6	5.2	1.0936	38	37.6735
3	3.4	3.4	6.8	1.2465	44	43.6220
4	4.9	4.9	9.8	1.4907	50	49.5704
5	5.8	5.8	11.6	1.6194	57	56.5103

By Linear Regression of Y on X

Slope, m = 34.0385 Intercept, b = 0.4390

Correlation Coefficient* = 0.9952

Calibration Accepted = Yes/~~No~~**

* if Correlation Coefficient < 0.990, check and recalibration again.

** Delete as appropriate.

Remarks : As per client's provided information, the equipment reference no. of the calibrated High Volume Sampler has been re-assigned from EL551 to HVS013 with respect to the update in quality management system.

Calibrated by	:	Natalie Lau	**Checked by**	:	Pauline Wong
Date	:	27-Jun-18	**Date**	:	27-Jun-18

綜合試驗有限公司
SOILS & MATERIALS ENGINEERING CO., LTD.
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12/F., Leader Centre, 37 Wong Chuk Hang Road, Aberdeen, Hong Kong.
E-mail: smec@cigismec.com Website: www.cigismec.com
Tel: (852) 2873 6860
Fax: (852) 2555 7533

CERTIFICATE OF CALIBRATION

Certificate No.: 18CA0322 01 **Page** 1 **of** 2

Item tested

Description:	Sound Level Meter (Type 1)	,	Microphone
Manufacturer:	Larson Davis	,	PCB
Type/Model No.:	LxT1	,	377B02
Serial/Equipment No.:	0003737	,	171529
Adaptors used:	-	,	-

Item submitted by

Customer Name:	Lam Geotechnics Ltd.
Address of Customer:	-
Request No.:	-
Date of receipt:	22-Mar-2018

Date of test: 28-Mar-2018

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Multi function sound calibrator	B&K 4226	2288444	08-Sep-2018	CIGISMEC
Signal generator	DS 360	61227	01-Apr-2018	CEPREI

Ambient conditions

Temperature:	21 ± 1 °C
Relative humidity:	50 ± 10 %
Air pressure:	1005 ± 5 hPa

Test specifications

1, The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580: Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.

2, The electrical tests were performed using an electrical signal substituted for the microphone which was removed and replaced by an equivalent capacitance within a tolerance of ±20%.

3, The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference between the free-field and pressure responsess of the Sound Level Meter.

Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

Actual Measurement data are documented on worksheets.

Approved Signatory: Feng Jun Qi **Date:** 06-Apr-2018 **Company Chop:** SOILS & MATERIALS ENGINEERING COMPANY LTD. 綜合試驗有限公司

Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.

綜合試驗有限公司
SOILS & MATERIALS ENGINEERING CO., LTD.
香港黃竹坑道37號利達中心12樓
12/F., Leader Centre, 37 Wong Chuk Hang Road, Aberdeen, Hong Kong.
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CERTIFICATE OF CALIBRATION

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1, Electrical Tests

The electrical tests were perfomed using an equivalent capacitance substituted for the microphone. The results are given in below with test status and the estimated uncertainties. The "Pass" means the result of the test is inside the tolerances stated in the test specifications. The "-" means the result of test is outside these tolerances.

Test:	Subtest:	Status:	Expanded Uncertainty (dB)	Coverage Factor
Self-generated noise	A	Pass	0.3	
	C	Pass	0.8	2.1
	Lin	Pass	1.6	2.2
Linearity range for Leq	At reference range , Step 5 dB at 4 kHz	Pass	0.3	
	Reference SPL on all other ranges	Pass	0.3	
	2 dB below upper limit of each range	Pass	0.3	
	2 dB above lower limit of each range	Pass	0.3	
Linearity range for SPL	At reference range , Step 5 dB at 4 kHz	Pass	0.3	
Frequency weightings	A	Pass	0.3	
	C	Pass	0.3	
	Lin	Pass	0.3	
Time weightings	Single Burst Fast	Pass	0.3	
	Single Burst Slow	Pass	0.3	
Peak response	Single 100μs rectangular pulse	N/A	N/A	
R.M.S. accuracy	Crest factor of 3	Pass	0.3	
Time weighting I	Single burst 5 ms at 2000 Hz	Pass	0.3	
	Repeated at frequency of 100 Hz	Pass	0.3	
Time averaging	1 ms burst duty factor $1/10^3$ at 4kHz	Pass	0.3	
	1 ms burst duty factor $1/10^4$ at 4kHz	Pass	0.3	
Pulse range	Single burst 10 ms at 4 kHz	Pass	0.4	
Sound exposure level	Single burst 10 ms at 4 kHz	Pass	0.4	
Overload indication	SPL	Pass	0.3	
	Leq	Pass	0.4	

2, Acoustic tests

The complete sound level meter was calibrated on the reference range using a B&K 4226 acoustic calibrator with 1000Hz and SPL 94 dB. The sensitivity of the sound level meter was adjusted. The test result at 125 Hz and 8000 Hz are given in below with test status and the estimated uncertainties.

Test:	Subtest	Status	Expanded Uncertainty (dB)	Coverage Factor
Acoustic response	Weighting A at 125 Hz	Pass	0.3	
	Weighting A at 8000 Hz	Pass	0.5	

3, Response to associated sound calibrator

N/A

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

- End -

Calibrated by: Fung Chi Yip Date: 28-Mar-2018

Checked by: Lam Tze Wai Date: 06-Apr-2018

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.

綜合試驗有限公司
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CERTIFICATE OF CALIBRATION

Certificate No.: 17CA1110 02 **Page:** 1 **of** 2

Item tested

Description:	Acoustical Calibrator (Class 1)
Manufacturer:	Rion Co., Ltd.
Type/Model No.:	NC-73
Serial/Equipment No.:	10707358
Adaptors used:	-

Item submitted by

Curstomer:	Lam Geotechnics Ltd.
Address of Customer:	-
Request No.:	-
Date of receipt:	10-Nov-2017

Date of test: 14-Nov-2017

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Lab standard microphone	B&K 4180	2341427	11-Apr-2018	SCL
Preamplifier	B&K 2673	2239857	05-May-2018	CEPREI
Measuring amplifier	B&K 2610	2346941	03-May-2018	CEPREI
Signal generator	DS 360	61227	01-Apr-2018	CEPREI
Digital multi-meter	34401A	US36087050	25-Apr-2018	CEPREI
Audio analyzer	8903B	GB41300350	21-Apr-2018	CEPREI
Universal counter	53132A	MY40003662	22-Apr-2018	CEPREI

Ambient conditions

Temperature:	21 ± 1 °C
Relative humidity:	50 ± 10 %
Air pressure:	1010 ± 5 hPa

Test specifications

1. The Sound Calibrator has been calibrated in accordance with the requirements as specified in IEC 60942 1997 Annex B and the lab calibration procedure SMTP004-CA-156.
2. The calibrator was tested with its axis vertical facing downwards at the specific frequency using insert voltage technique.
3. The results are rounded to the nearest 0.01 dB and 0.1 Hz and have not been corrected for variations from a reference pressure of 1013.25 hectoPascals as the maker's information indicates that the instrument is insensitive to pressure changes.

Test results

This is to certify that the sound calibrator conforms to the requirements of annex B of IEC 60942: 1997 for the conditions under which the test was performed. This does not imply that the sound calibrator meets IEC 60942 under any other conditions.

Details of the performed measurements are presented on **page 2** of this certificate.

Approved Signatory: Huang Jian Min/Feng Jun Qi **Date:** 15-Nov-2017 **Company Chop:**

SOILS AND MATERIALS ENGINEERING COMPANY LTD. 綜合試驗有限公司

Comments: The results reported in this certificate refer to the conditon of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.

綜合試驗有限公司
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CERTIFICATE OF CALIBRATION

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1, Measured Sound Pressure Level

The output Sound Pressure Level in the calibrator head was measured at the setting and frequency shown using a calibrated laboratory standard microphone and insert voltage technique. The results are given in below with the estimated uncertainties.

(Output level in dB re 20 μPa)

Frequency Shown Hz	Output Sound Pressure Level Setting dB	Measured Output Sound Pressure Level dB	Estimated Expanded Uncertainty dB
1000	94.00	93.93	0.10

2, Sound Pressure Level Stability - Short Term Fluctuations

The Short Term Fluctuations was determined by measuring the maximum and minimum of the fast weighted DC output of the B&K 2610 measuring amplifier over a 20 second time interval as required in the standard. The Short Term Fluctuation was found to be:

At 1000 Hz **STF = 0.008 dB**

Estimated expanded uncertainty 0.005 dB

3, Actual Output Frequency

The determination of actual output frequency was made using a B&K 4180 microphone together with a B&K 2673 preamplifier connected to a B&K 2610 measuring amplifier. The AC output of the B&K 2610 was taken to an universal counter which was used to determine the frequency averaged over 20 second of operation as required by the standard. The actual output frequency at 1 KHz was:

At 1000 Hz **Actual Frequency = 991.5 Hz**

Estimated expanded uncertainty 0.1 Hz Coverage factor k = 2.2

4, Total Noise and Distortion

For the Total Noise and Distortion measurement, the unfiltered AC output of the B&K 2610 measuring amplifier was connected to an Agilent Type 8903 B distortion analyser. The TND result at 1 KHz was:

At 1000 Hz **TND = 0.3 %**

Estimated expanded uncertainty 0.7 %

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.

- End -

Calibrated by: Lai Sheng Jie **Checked by:** Fung Chi Yip

Date: 14-Nov-2017 **Date:** 15-Nov-2017

The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.

Appendix 5.1

Monitoring Schedules for Reporting Month and Coming Reporting Month

Contract No. HK/2015/01
Wan Chai Development Phase II and Central-Wan Chai Bypass
Sampling, Field Measurement and Testing Works (Stage 3)

Environmental Monitoring Schedule
July 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			27-Jun	28-Jun Noise (daytime)	29-Jun 24hr TSP	30-Jun 1hr TSP
01-Jul	02-Jul	03-Jul	04-Jul	05-Jul 24hr TSP (CMA5b) Noise (daytime)	06-Jul 24hr TSP (CMA6a) 1hr TSP	07-Jul
08-Jul	09-Jul	10-Jul	11-Jul 24hr TSP (CMA5b) Noise (daytime)	12-Jul 24hr TSP (CMA6a) 1hr TSP	13-Jul	14-Jul
15-Jul	16-Jul	17-Jul 24hr TSP Noise (daytime)	18-Jul 1hr TSP	19-Jul	20-Jul	21-Jul
22-Jul	23-Jul 24hr TSP Noise (daytime)	24-Jul 1hr TSP	25-Jul	26-Jul		

Remarks:

Due to interruption of electricity, the 24hr TSP at CMA6a was rescheduled from 5, 11 July 2018 to 6, 12 July 2018.

Contract No. HK/2015/01
Wan Chai Development Phase II and Central-Wan Chai Bypass
Sampling, Field Measurement and Testing Works (Stage 3)

Environmental Monitoring Schedule
August 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					27-Jul	28-Jul 24hr TSP
29-Jul	30-Jul 1hr TSP Noise (daytime)	31-Jul Noise (daytime)	01-Aug	02-Aug	03-Aug 24hr TSP	04-Aug 1hr TSP
05-Aug	06-Aug Noise (daytime)	07-Aug Noise (daytime)	08-Aug	09-Aug 24hr TSP	10-Aug 1hr TSP	11-Aug
12-Aug	13-Aug Noise (daytime)	14-Aug Noise (daytime)	15-Aug 24hr TSP	16-Aug 1hr TSP	17-Aug	18-Aug
19-Aug	20-Aug Noise (daytime)	21-Aug 24hr TSP Noise (daytime)	22-Aug 1hr TSP	23-Aug	24-Aug	25-Aug

Appendix 5.2

Noise Monitoring Results and Graphical Presentations

Noise Monitoring Result for EP-376/2009

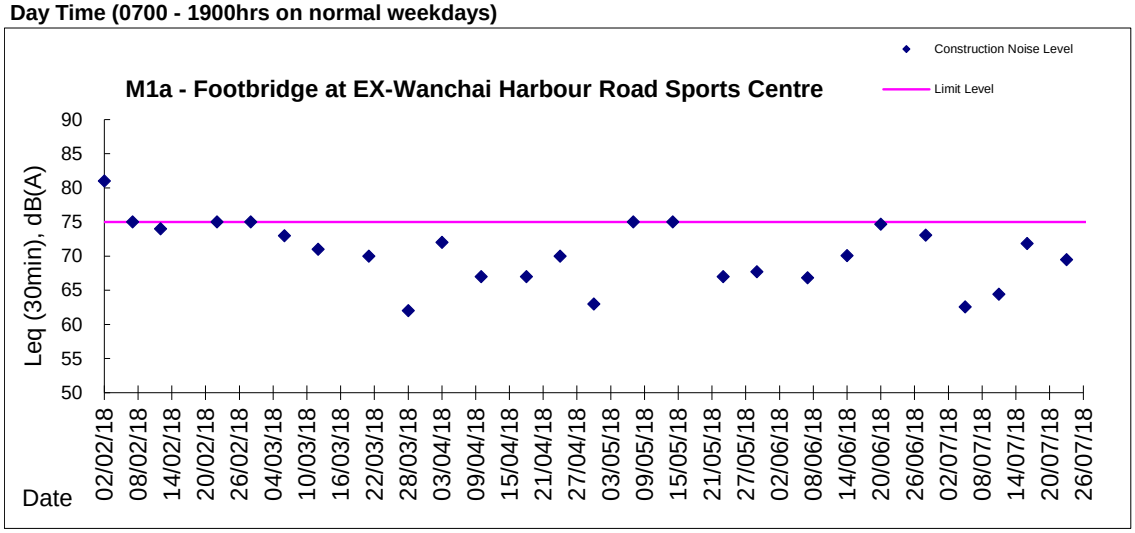
Day Time (0700 - 1900hrs on normal weekdays)

Location: M1a - Footbridge at EX-Wanchai Harbour Road Sports Centre

Date	Time	Weather	Measurement Noise Level			Baseline Level	Construction Noise Level	Limit Level
			Leq	L10	L90	Leq	Leq	Leq
			Unit: dB(A), (30-min)					
28/06/2018	10:40	Fine	75.9	78.1	68.7	73	73	75
05/07/2018	11:15	Fine	73.1	73.3	69.3	73	63	75
11/07/2018	09:45	Fine	73.3	75.1	70.2	73	64	75
16/07/2018	14:45	Fine	75.3	77.6	72.5	73	72	75
23/07/2018	09:59	Fine	74.4	76.4	71.3	73	70	75

Graphic Presentation of Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)



Appendix 5.3

Air Quality Monitoring Results and Graphical Presentations

Location: CMA5b - Pedestrian Plaza

Report on 24-hour TSP monitoring for EP-376/2009
Action Level - 209.9 µg/m3
Limit Level - 260 µg/m3

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu g/m^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
29-Jun-18	8:00	Rainy	26310	2.6701	2.7336	10471.44	10495.44	24.00	1.01	1.01	1.01	1455	43.6
05-Jul-18	08:00	Cloudy	26273	2.6661	2.7276	10498.44	10522.44	24.00	1.07	1.07	1.07	1540	39.9
11-Jul-18	08:00	Fine	25827	2.6373	2.7159	10525.44	10549.44	24.00	1.07	1.07	1.07	1540	51.0
17-Jul-18	08:00	Rainy	26417	2.6839	2.7680	10552.44	10576.44	24.00	1.07	1.07	1.07	1543	54.5
23-Jul-18	08:00	Rainy	26562	2.6779	2.7432	10579.44	10603.44	24.00	1.13	1.13	1.13	1630	40.1

Report on 1-hour TSP monitoring for EP-376/2009
Action Level - 339.7 µg/m3
Limit Level - 500 µg/m3

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu g/m^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
30-Jun-18	8:06	Rainy	26256	2.6578	2.6620	10495.44	10496.44	1.00	1.01	1.01	1.01	61	69.3
30-Jun-18	10:05	Rainy	26259	2.6655	2.6674	10496.44	10497.44	1.00	1.01	1.01	1.01	61	31.3
30-Jun-18	13:00	Rainy	26266	2.6652	2.6670	10497.44	10498.44	1.00	1.01	1.01	1.01	61	29.7
06-Jul-18	08:04	Cloudy	26461	2.6699	2.6727	10522.44	10523.44	1.00	1.07	1.07	1.07	64	43.6
06-Jul-18	09:39	Cloudy	26454	2.6651	2.6713	10523.44	10524.44	1.00	1.07	1.07	1.07	64	96.6
06-Jul-18	13:00	Cloudy	24320	2.6681	2.6710	10524.44	10525.44	1.00	1.07	1.07	1.07	64	45.2
12-Jul-18	08:03	Cloudy	25831	2.6444	2.6481	10549.44	10550.44	1.00	1.07	1.07	1.07	64	57.6
12-Jul-18	09:20	Cloudy	26442	2.6606	2.6659	10550.44	10551.44	1.00	1.07	1.07	1.07	64	82.6
12-Jul-18	13:00	Cloudy	25862	2.6408	2.6455	10551.44	10552.44	1.00	1.07	1.07	1.07	64	73.2
18-Jul-18	08:04	Rainy	26429	2.6688	2.6724	10576.44	10577.44	1.00	1.07	1.07	1.07	64	55.9
18-Jul-18	09:08	Rainy	26432	2.6677	2.6722	10577.44	10578.44	1.00	1.07	1.07	1.07	64	69.8
18-Jul-18	13:00	Rainy	26565	2.6681	2.6702	10578.44	10579.44	1.00	1.07	1.07	1.07	64	32.6
24-Jul-18	08:04	Cloudy	26545	2.6603	2.6615	10603.44	10604.44	1.00	1.07	1.07	1.07	64	18.7
24-Jul-18	09:10	Cloudy	26536	2.6778	2.6814	10604.44	10605.44	1.00	1.07	1.07	1.07	64	56.0
24-Jul-18	10:20	Cloudy	26537	2.6910	2.6949	10605.44	10606.44	1.00	1.07	1.07	1.07	64	60.7

Location: CMA6a - WDII PRE Office

Report on 24-hour TSP monitoring for EP-376/2009
Action Level - 207.1 μg/m3
Limit Level - 260 μg/m3

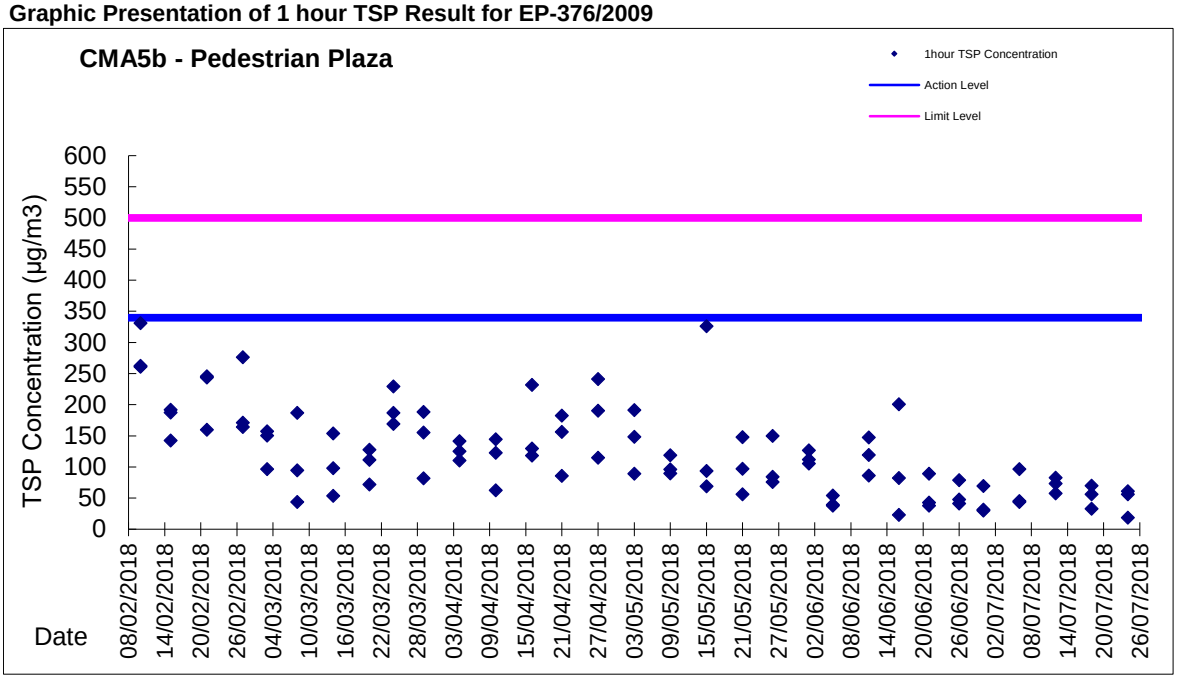
Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu g/m^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
29-Jun-18	8:00	Rainy	26315	2.6714	2.7280	4174.43	4198.43	24.00	1.17	1.17	1.17	1682	33.7
06-Jul-18	11:54	Cloudy	24319	2.6432	2.6945	4204.44	4228.44	24.00	1.10	1.10	1.10	1587	32.3
12-Jul-18	14:10	Cloudy	25841	2.6754	2.7041	4231.44	4255.44	24.00	1.05	1.05	1.05	1510	19.0
17-Jul-18	08:00	Rainy	25840	2.6439	2.7062	4255.44	4279.44	24.00	1.10	1.11	1.10	1589	39.2
23-Jul-18	08:00	Rainy	26561	2.6658	2.7305	4282.44	4306.44	24.00	1.10	1.10	1.10	1589	40.7

Remarks: Due to interruption of electricity, the 24hr TSP was rescheduled from 5, 11 July 2018 to 6, 12 July 2018.

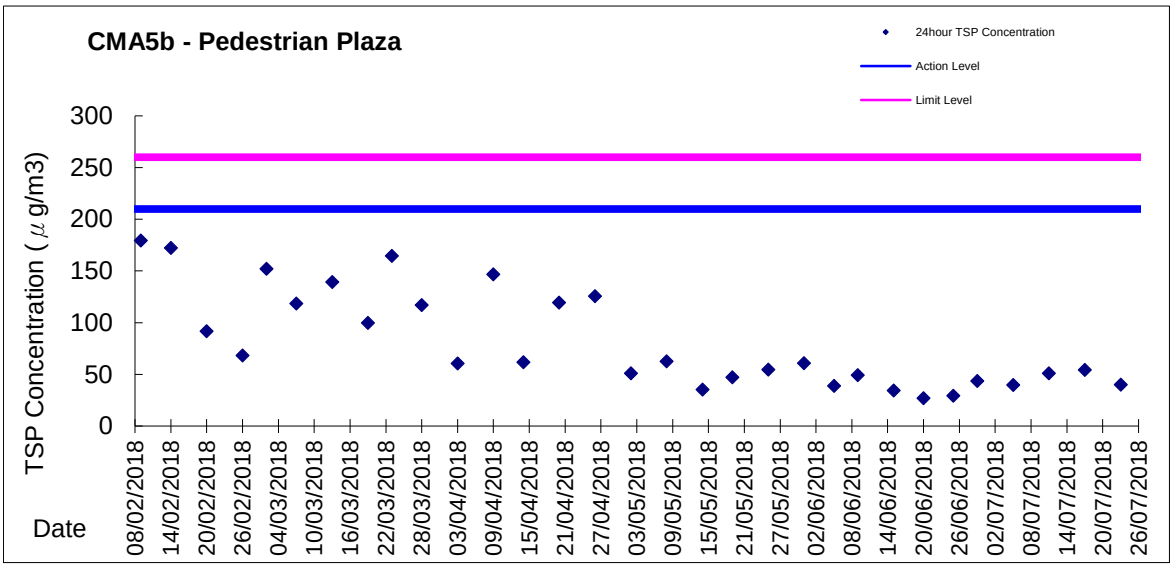
Report on 1-hour TSP monitoring for EP-376/2009
Action Level - 333 μg/m3
Limit Level - 500 μg/m3

Date	Sampling Time	Weather Condition	Filter paper no.	Filter Weight, g		Elapse Time, hr		Sampling Time, hr	Flow Rate, m^3/min			Total Volume, m^3	TSP Level, $\mu g/m^3$
				Initial	Final	Initial	Final		Initial, Q_{si}	Final, Q_{sf}	Average		
30-Jun-18	8:05	Rainy	26258	2.6749	2.6781	4198.43	4199.43	1.00	1.11	1.11	1.11	67	48.1
30-Jun-18	10:13	Rainy	26260	2.6690	2.6714	4199.43	4200.43	1.00	1.11	1.11	1.11	67	36.0
30-Jun-18	13:00	Rainy	26278	2.6667	2.6726	4200.43	4201.43	1.00	1.11	1.11	1.11	67	88.6
06-Jul-18	08:10	Cloudy	26016	2.6523	2.6550	4201.44	4202.44	1.00	1.10	1.10	1.10	66	40.9
06-Jul-18	09:12	Cloudy	26460	2.6676	2.6703	4202.44	4203.44	1.00	1.10	1.10	1.10	66	40.9
06-Jul-18	10:15	Cloudy	26015	2.6487	2.6514	4203.44	4204.44	1.00	1.10	1.10	1.10	66	40.9
12-Jul-18	08:02	Cloudy	26319	2.6764	2.6787	4228.44	4229.44	1.00	1.16	1.16	1.16	69	33.1
12-Jul-18	09:30	Cloudy	26439	2.6766	2.6784	4229.44	4230.44	1.00	1.16	1.16	1.16	69	25.9
12-Jul-18	13:00	Cloudy	25859	2.6584	2.6599	4230.44	4231.44	1.00	1.16	1.16	1.16	69	21.6
18-Jul-18	08:05	Rainy	26430	2.6790	2.6821	4279.44	4280.44	1.00	1.11	1.11	1.11	66	46.7
18-Jul-18	09:20	Rainy	26434	2.6643	2.6679	4280.44	4281.44	1.00	1.11	1.11	1.11	66	54.3
18-Jul-18	10:50	Rainy	26570	2.6580	2.6596	4281.44	4282.44	1.00	1.11	1.11	1.11	66	24.1
24-Jul-18	08:05	Cloudy	26544	2.6678	2.6710	4306.44	4307.44	1.00	1.10	1.10	1.10	66	48.4
24-Jul-18	10:10	Cloudy	26528	2.6647	2.6665	4307.44	4308.44	1.00	1.10	1.10	1.10	66	27.2
24-Jul-18	13:00	Cloudy	26608	2.6702	2.6748	4308.44	4309.44	1.00	1.10	1.10	1.10	66	69.6

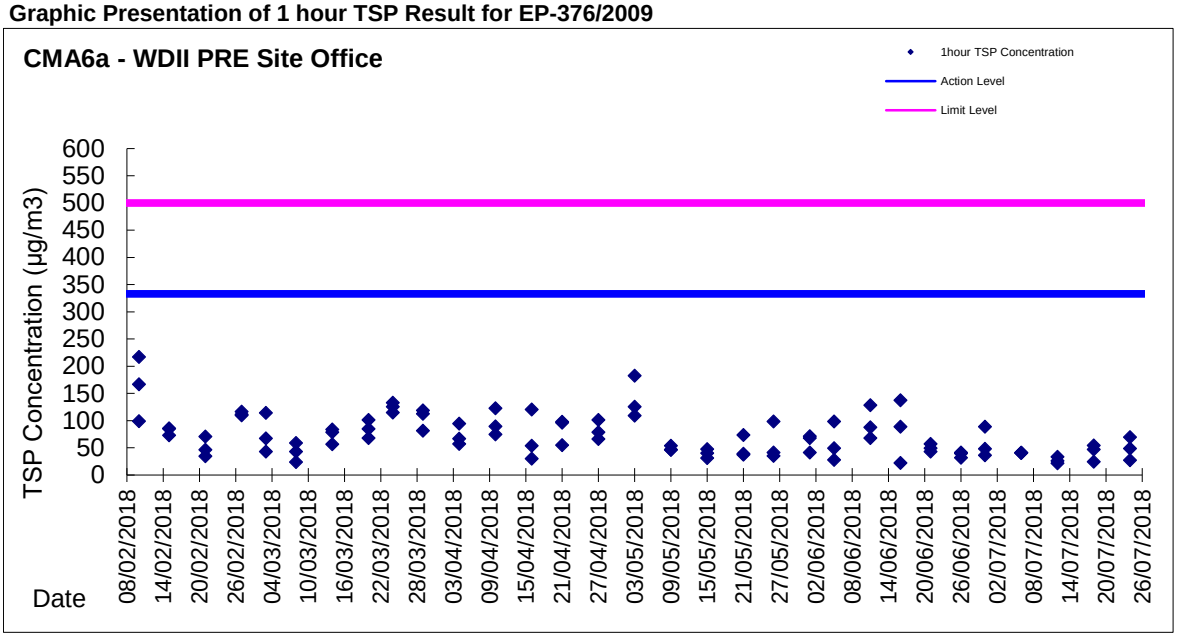
Graphic Presentation of 1 hour TSP Result for EP-376/2009



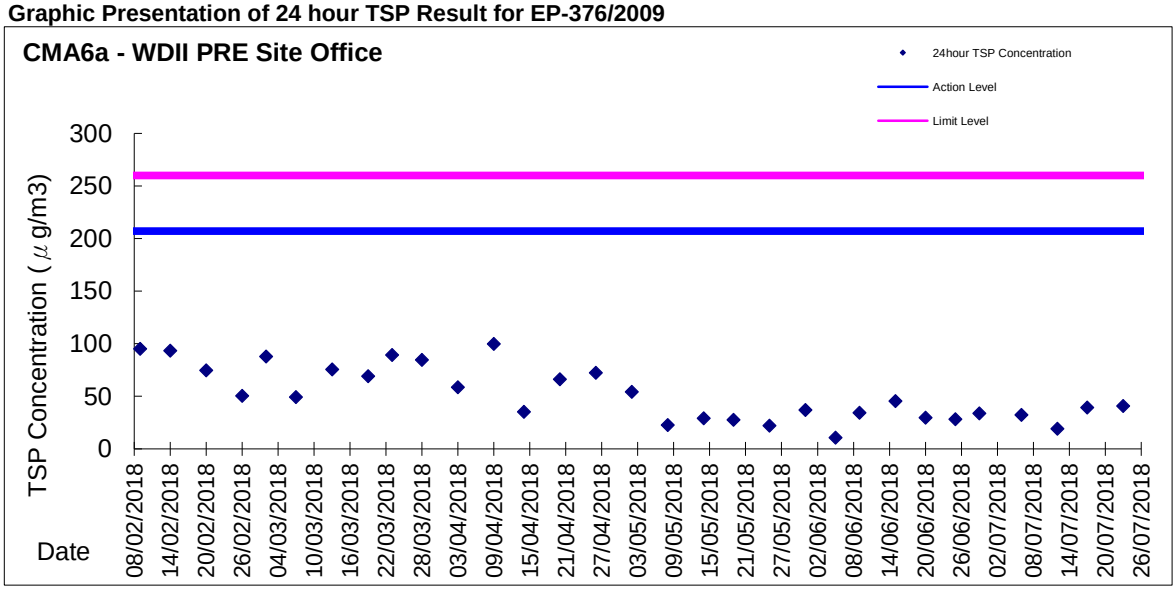
Graphic Presentation of 24 hour TSP Result for EP-376/2009



Graphic Presentation of 1 hour TSP Result for EP-376/2009



Graphic Presentation of 24 hour TSP Result for EP-376/2009



Appendix 6.1

Event Action Plans

Event/Action Plan for Construction Noise

EVENT	ACTION			
	ET	**IEC**	**ER**	**CONTRACTOR**
Action Level being exceeded	1. Notify ER, IEC and Contractor; 2. Carry out investigation; 3. Report the results of investigation to the IEC, ER and Contractor; 4. Discuss with the IEC and Contractor on remedial measures required; 5. Increase monitoring frequency to check mitigation effectiveness. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Review the investigation results submitted by the ET; 2. Review the proposed remedial measures by the Contractor and advise the ER accordingly; 3. Advise the ER on the effectiveness of the proposed remedial measures. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Submit noise mitigation proposals to IEC and ER; 2. Implement noise mitigation proposals. (The above actions should be taken within 2 working days after the exceedance is identified)

EVENT	ACTION			
	ET	**IEC**	**ER**	**CONTRACTOR**
Limit Level being exceeded	1. Inform IEC, ER, Contractor and EPD; 2. Repeat measurements to confirm findings; 3. Increase monitoring frequency; 4. 4. Identify source and investigate the cause of exceedance; 5. 5. Carry out analysis of Contractor's working procedures; 6. 6. Discuss with the IEC, Contractor and ER on remedial measures required; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; 8. If exceedance stops, cease additional monitoring. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures; 5. If exceedance continues, consider stopping the Contractor to continue working on that portion of work which causes the exceedance until the exceedance is abated. (The above actions should be taken within 2 working days after the exceedance is identified)	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC and ER within 3 working days of notification; 3. Implement the agreed proposals; 4. Submit further proposal if problem still not under control; 5. Stop the relevant portion of works as instructed by the ER until the exceedance is abated. (The above actions should be taken within 2 working days after the exceedance is identified)

Event / Action Plan for Construction Air Quality

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

Event and Action Plan for Marine Water Quality

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
Action level being exceeded by one sampling day	Repeat in-situ measurement to confirm findings; Identify source(s) of impact; Inform IEC and Contractor; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC and Contractor; (The above actions should be taken within 1 working day after the exceedance is identified) Repeat measurement on next day of exceedance.	Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)	Discuss with IEC on the proposed mitigation measures; Make agreement on the mitigation measures to be implemented. (The above actions should be taken within 1 working day after the exceedance is identified)	Inform the ER and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET and IEC and propose mitigation measures to IEC and ER; Implement the agreed mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)
Action level being exceeded by more than one consecutive sampling days	Identify source(s) of impact; Inform IEC and Contractor; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC and Contractor; Ensure mitigation measures are implemented; Prepare to increase the monitoring frequency to daily; (The above actions should be taken within 1 working day after the exceedance is identified) Repeat measurement on next working day of exceedance.	Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)	Discuss with IEC on the proposed mitigation measures; Make agreement on the mitigation measures to be implemented; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)	Inform the Engineer and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET and IEC and propose mitigation measures to IEC and ER within 3 working days; Implement the agreed mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)

EVENT	ACTION			
	ET	**IEC**	**ER**	**CONTRACTOR**
Limit level being exceeded by one sampling day	Repeat in-situ measurement to confirm findings; Identify source(s) of impact; Inform IEC, contractor and EPD; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC, ER and Contractor; Ensure mitigation measures are implemented; Increase the monitoring frequency to daily until no exceedance of Limit level. (The above actions should be taken within 1 working day after the exceedance is identified)	Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)	Discuss with IEC, ET and Contractor on the proposed mitigation measures; Request Contractor to critically review the working methods; Make agreement on the mitigation measures to be implemented; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)	Inform the Engineer and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET , IEC and ER and propose mitigation measures to IEC and ER within 3 working days; Implement the agreed mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)
Limit level being exceeded by more than one consecutive sampling days	Identify source(s) of impact; Inform IEC, contractor and EPD; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC, ER and Contractor; Ensure mitigation measures are implemented; Increase the monitoring frequency to daily until no exceedance of Limit level for two consecutive days. (The above actions should be taken within 1 working day after the exceedance is identified)	Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)	Discuss with IEC, ET and Contractor on the proposed mitigation measures; Request Contractor to critically review the working methods; Make agreement on the mitigation measures to be implemented; Assess the effectiveness of the implemented mitigation measures; Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the marine work until no exceedance of Limit level. (The above actions should be taken within 1 working day after the exceedance is identified)	Inform the ER and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER within 3working days; Implement the agreed mitigation measures; As directed by the Engineer, to slow down or to stop all or part of the marine work or construction activities. (The above actions should be taken within 1 working day after the exceedance is identified)

Event and Action Plan for Odour Patrol

Event	ACTION	
	Person-in-charge of Odour Monitoring	**Implementation Agent Identified by CEDD**
Action Level		
Exceedance of Action Level	1. Identify source/reason of exceedance; 2. Repeat odour patrol to confirm finding.	1. Carry out investigation to identify the source/reason of exceedance; 2. Rectify any unacceptable practice 3. Implement more mitigation measures if necessary; 4. Inform EPD or MD if exceedance is considered to be caused by expedient connections or floating debris.
Limit Level		
Exceedance of Limit Level	1. Identify source / reason of exceedance; 2. Repeat odour patrol to confirm findings; 3. Increase odour patrol frequency; 4. If exceedance stops, cease additional odour patrol.	1. Carry out investigation to identify the source/reason of exceedance. Investigation shall be completed within 2 weeks; 2. Rectify any unacceptable practice; 3. Formulate remedial actions; 4. Ensure remedial actions properly implemented; 5. If exceedance continues, consider what more/enhanced mitigation measures shall be implemented; 6. Inform EPD or MD if exceedance is considered to be caused by expedient connections or floating debris.

Appendix 6.2

Summary for Notification of Exceedance

Lam Geotechnics Limited

Summary for Notification of Exceedance

Ref no.	Date	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action	
-	-	-	-	-	-	-	-	-

Appendix 9.1

Complaint Log

Environmental Complaints Log

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
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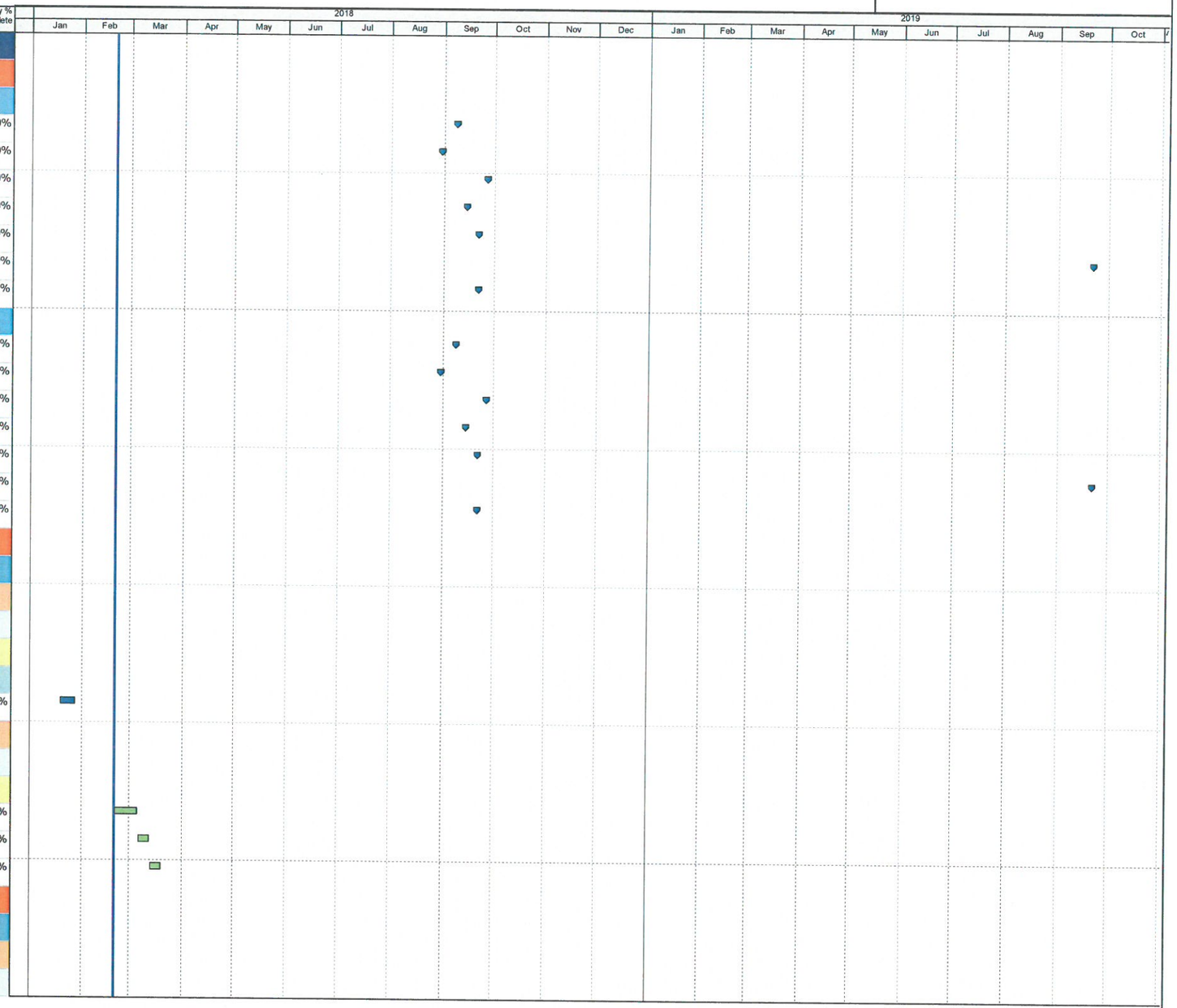
Appendix 10.1

Construction Programme of Individual Contracts

CEDD Contract No. HK/2012/08
Wan Chai Development Phase II
Central - Wan Chai Bypass at Wan Chai West

Activity ID	Activity Name	Remaining Dur	Early Start	Early Finish	Activity % Complete
HK/2012/08 Revised Works Programme Rev.12.0(DD 20 November 2017)					
Key Dates and Milestone Dates					
Sections of Works Completion (Included Not Granted EOT Entitlement of The Contractor)					
KD10840	Completion of Section IIIA	0		08-Sep-18*	0%
KD10860	Complection of Section IV	0		30-Aug-18*	0%
KD10880	Completion of Section V	0		26-Sep-18*	0%
KD11010	Completion of Section VII	0		14-Sep-18*	0%
KD11020	Completion of Section VIII	0		21-Sep-18*	0%
KD11040	Completion of Section IX	0		21-Sep-19*	0%
KD11060	Completion of Section X	0		21-Sep-18*	0%
Planned Sections of Works Completion					
KD10080	Planned Section IIIA Completion - Road A2,A4, A5	0		08-Sep-18	0%
KD10100	Planned Section IV Completion - Slip Road 3	0		30-Aug-18	0%
KD10140	Planned Section V Completion - Remaining At-Grade Road	0		26-Sep-18	0%
KD10280	Planned Section VII Completion - Remainder Works	0		14-Sep-18	0%
KD10300	Planned Section VIII Completion - Landscape Softwork	0		21-Sep-18	0%
KD10320	Planned Section IX Completion - Establishment Works	0		21-Sep-19	0%
KD10340	Planned Section X Completion - Tree Protection & Preservation	0		21-Sep-18	0%
Dredging and Reclamation					
Marine Work Construction					
Zone CRIII					
Seawall Construction - Zone CRIII					
Zone CRIII Seawall- 2nd Stage					
Seawall 2 & 12					
MAR21371	Zone CRIII - seawall 2 & 12 - Backfilling remaining portion (type A, geotextile and filter)	0	19-Jan-18 A	27-Jan-18 A	100%
Zone D					
Seawall Construction - Zone D					
Seawall 10 & 11					
MAR20630	Zone D - Seawall 10 & 11: Install remaining seawall block	14	20-Feb-18*	05-Mar-18	0%
MAR20650	Zone D - Seawall 10 & 11: Backfill Type A	7	06-Mar-18	12-Mar-18	0%
MAR20670	Zone D - Seawall 10 & 11: Lay geotextile and filter	7	13-Mar-18	19-Mar-18	0%
Works for Section Completion					
Construction					
Section III A - Road A2, A4 & A5					
Roadwork & Utilities - Section 1 (L1806 - L1801)					



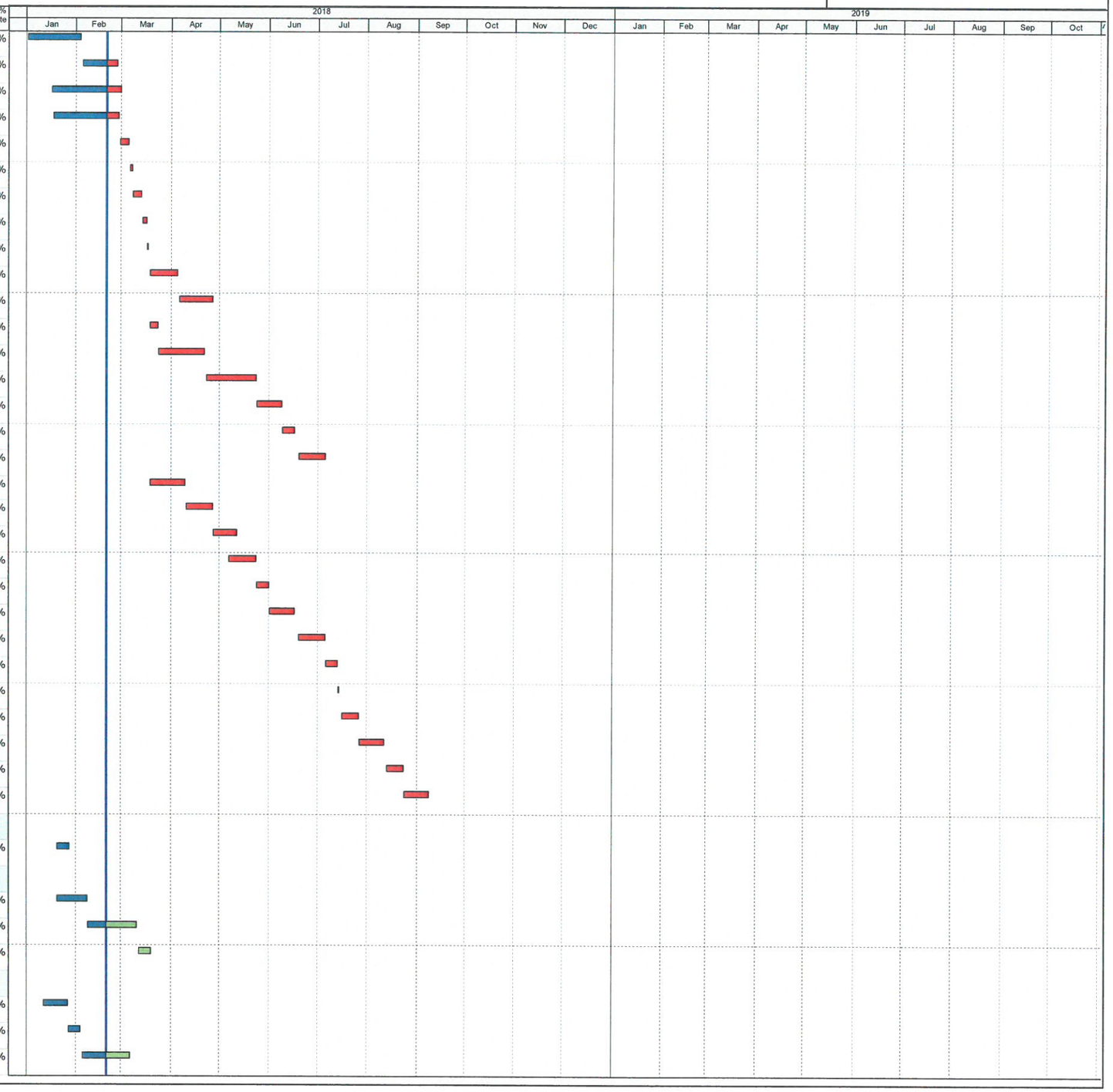
Data Date:
20-Feb-18

Current Milestone
Actual Work
Critical Remaining Work
Remaining Work
Remaining Level of Effort

Updated Works Programme Rev.12
(Ref. to Rev.12 as of 20 Feburary 2018)

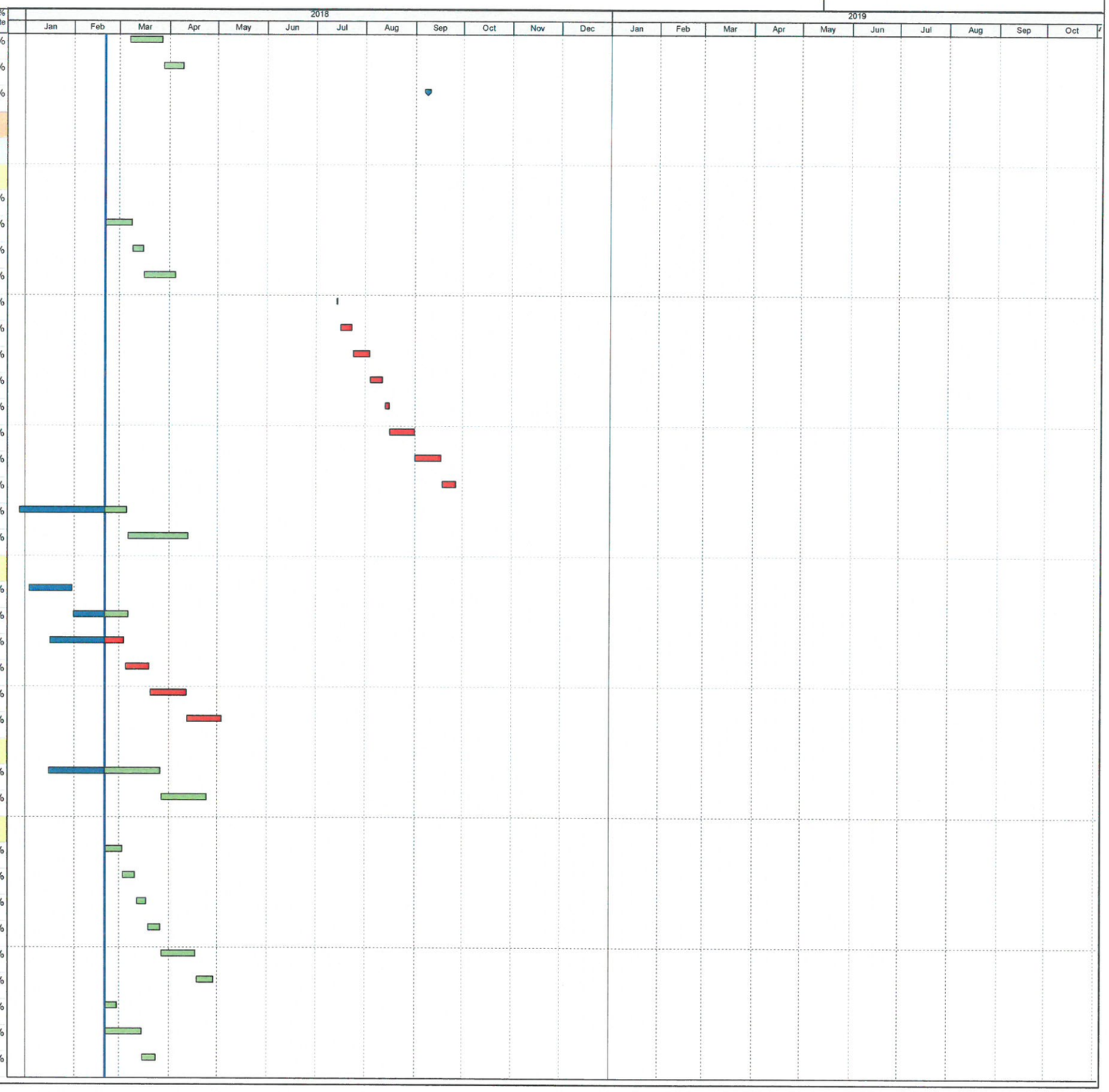
Date	Revision	Checked	Approved
20-Feb-18	12		

Activity ID	Activity Name	Remaining Dur	Early Start	Early Finish	Activity % Complete
SIIIA10279c	Sec III A - section 1 carriageway - sewerage pipe from M/H 8C to F8B (night time): construct sewerage pipe	0	02-Jan-18 A	03-Feb-18 A	100%
SIIIA10293	Sec III A - section 1 carriageway - sewerage pipe from M/H F8B - F8A (night time)	6	05-Feb-18 A	26-Feb-18	0%
SIIIA10294	Sec III A - section 1 carriageway - sewerage pipe from M/H F8A - F8	8	17-Jan-18 A	28-Feb-18	27.27%
SIIIA10295	Sec III A - carriageway - works prrior TTA stage 5: excavation and duct laying of TCSS and public lighting	7	18-Jan-18 A	27-Feb-18	0%
SIIIA10298	Sec III A - section 1 carriageway - works prrior TTA stage 5: road kerb	5	28-Feb-18	05-Mar-18	0%
SIIIA10301	Sec III A - section 1 carriageway - works prrior TTA stage 5: road formation	2	06-Mar-18	07-Mar-18	0%
SIIIA10302	Sec III A - section 1 carriageway - works prrior TTA stage 5: laying asphalt	5	08-Mar-18	13-Mar-18	0%
SIIIA10303	Sec III A - section 1 carriageway - works prrior TTA stage 5: road marking & preparation works	3	14-Mar-18	16-Mar-18	0%
SIIIA10310	Sec III A - section 1 carriageway - TTA stage 5: Implementation of TTA Stage 5	1	17-Mar-18	17-Mar-18	0%
SIIIA10310a	Sec III A - section 1 carriageway - TTA stage 5: remaining sewerage pipe for M/H F8A - M/H F8	12	19-Mar-18	04-Apr-18	0%
SIIIA10310b	Sec III A - section 1 carriageway - TTA stage 5: remaining sewerage pipe for M/H F8A - M/H F8B	18	06-Apr-18	26-Apr-18	0%
SIIIA10310c	Sec III A - section 1 carriageway - TTA stage 5: SR1 at-grade road- remove sheetpile at U-trough west	5	19-Mar-18	23-Mar-18	0%
SIIIA10310d	Sec III A - section 1 carriageway - TTA stage 5: SR1 at-grade road -remove temp. road access bay 5 of SR1	21	24-Mar-18	21-Apr-18	0%
SIIIA10310e	Sec III A - section 1 carriageway - TTA stage 5: SR1 at-grade road -construct upstand wall above Dwall	25	23-Apr-18	23-May-18	0%
SIIIA10310f	Sec III A - section 1 carriageway - TTA stage 5: SR1 at-grade road - roadside barrier	14	24-May-18	08-Jun-18	0%
SIIIA10310g	Sec III A - section 1 carriageway - TTA stage 5: SR1 at-grade road - road formation	7	09-Jun-18	16-Jun-18	0%
SIIIA10310h	Sec III A - section 1 carriageway - TTA stage 5: SR1 at-grade road - laying asphalt with transition slab	14	19-Jun-18	05-Jul-18	0%
SIIIA10312	Sec III A - roadwork and utlities section 1 carriageway - Drainage works (L2202 - L2201)	15	19-Mar-18	09-Apr-18	0%
SIIIA10312a	Sec III A - roadwork and utlities section 1 carriageway - Drainage works (L1805 - L1801)	15	10-Apr-18	26-Apr-18	0%
SIIIA10312b	Sec III A - roadwork and utlities section 1 carriageway - Drainage works (L1805-1807)	12	27-Apr-18	11-May-18	0%
SIIIA10313	Sec III A - roadwork and utlities section 1 carriageway - gully pipe (L1807 - L1801)	14	07-May-18	23-May-18	0%
SIIIA10320	Sec III A - roadwork and utlities section 1 carriageway - fresh watermain	7	24-May-18	31-May-18	0%
SIIIA10340	Sec III A - roadwork and utlities section 1 carriageway - utilities: HEC (80m) along carriageway	14	01-Jun-18	16-Jun-18	0%
SIIIA10360	Sec III A - roadwork and utlities section 1 carriageway - road kerb & formation	14	19-Jun-18	05-Jul-18	0%
SIIIA10400	Sec III A - roadwork and utlities section 1 carriageway - black top	7	06-Jul-18	13-Jul-18	0%
SIIIA10420	Sec III A - Implementation of TTA Stage 7P (Closure of U-turn at Expo Drive)	1	14-Jul-18	14-Jul-18	0%
SIIIA10440	Sec III A - roadwork and utlities section 1 carriageway : breaking existing asphalt	10	16-Jul-18	26-Jul-18	0%
SIIIA10460	Sec III A - roadwork and utlities section 1 carriageway: road kerb and formation	14	27-Jul-18	11-Aug-18	0%
SIIIA10480	Sec III A - roadwork and utlities section 1 carriageway : black top	10	13-Aug-18	23-Aug-18	0%
SIIIA10500	Sec III A - roadwork and utlities section 1 carriageway : roadmarking and road furniture	14	24-Aug-18	08-Sep-18	0%
Roadwork & Utilities - Section 2 (L1810 - L1807)					
SIIIA12590	Sec III A - roadwork and utlities section 2 carriageway - black top	0	20-Jan-18 A	27-Jan-18 A	100%
Roadwork & Utilities - Section 3 (L1808 - L1102)					
SIIIA12770	Sec III A - roadwork and utlities section 3 carriageway - utilities: HEC ducting (60m) & crossroad duct (PCCW & HGC)	0	20-Jan-18 A	07-Feb-18 A	100%
SIIIA12790	Sec III A - roadwork and utlities section 3 carriageway - road kerb & formation	17	08-Feb-18 A	10-Mar-18	0%
SIIIA12810	Sec III A - roadwork and utlities section 3 carriageway - black top	7	12-Mar-18	19-Mar-18	0%
Roadwork & Utilities - Section 6 (L1102 - L1411)					
SIIIA13399	Sec III A - roadwork and utlities section 6 carriageway - gully pipe (L1101 -L1102)	0	12-Jan-18 A	26-Jan-18 A	100%
SIIIA13444	Sec III A - roadwork and utlities section 6 carriageway - watermain (road crossing)	0	27-Jan-18 A	03-Feb-18 A	100%
SIIIA13445	Sec III A - roadwork and utlities section 6 carriageway - utilities: crossed duct(HEC , HGC, PCCW)	13	05-Feb-18 A	06-Mar-18	0%

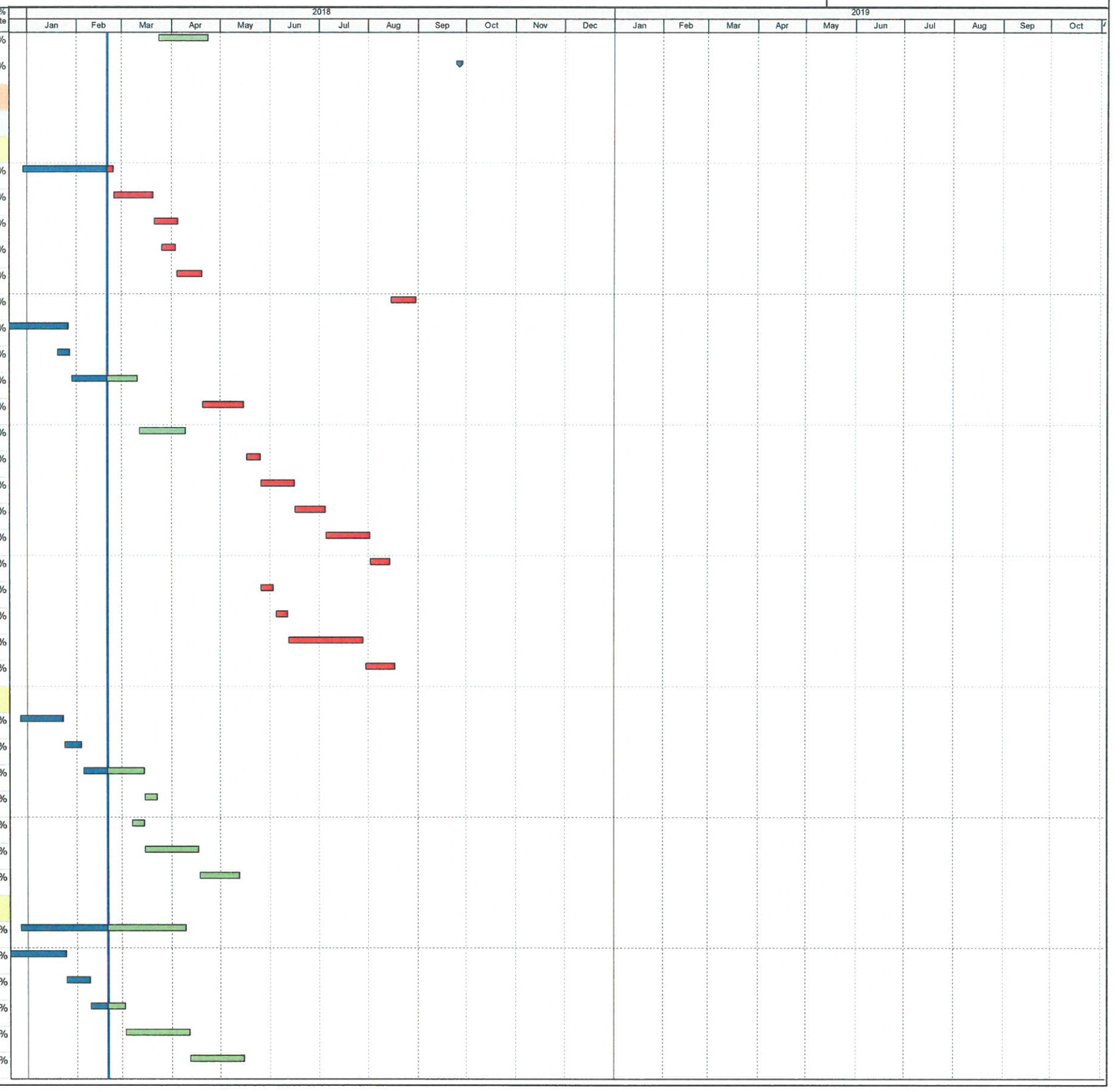


CEDD Contract No. HK/2012/08
Wan Chai Development Phase II
Central - Wan Chai Bypass at Wan Chai West

Activity ID	Activity Name	Remaining Dur	Early Start	Early Finish	Activity % Complete
SIIIA13450	Sec III A - roadwork and utlities section 6 carriageway - road kerb & formation	18	07-Mar-18	27-Mar-18	0%
SIIIA13470	Sec III A - roadwork and utlities section 6 carriageway - black top	7	28-Mar-18	09-Apr-18	0%
SIIIA13570	Achievement of Section IIIA of the Works	0		08-Sep-18	0%
Section V - Remaining At-Grade Road & Road P2					
Roadwork & Utilities					
Section 1 (L1504 - L1900)					
SV12456	Sec V-Roadwork & Utilities Section 1 - implementation of TTA stage 5E (closure of slow lane at northbound of Expo	0	20-Feb-18*	20-Feb-18	0%
SV12460	Sec V - Roadwork & Utilities Section 1 - drinage works (L1902 - L1900)	15	20-Feb-18	08-Mar-18	0%
SV12462	Sec V - Roadwork & Utilities Section 1 - gully pipe (L1902 - L1900)	6	09-Mar-18	15-Mar-18	0%
SV12464	Sec V - Roadwork & Utilities Section 1 - temp. reinstatement to match with existing Expo Drive	14	16-Mar-18	04-Apr-18	0%
SV12466	Sec V - Section 1 - Modification to 2nd stage ITA (V.O. 50) : closure of northbound and maintain one lane at southbound	1	14-Jul-18	14-Jul-18	0%
SV12468	Sec V - Roadwork & Utilities Section 1 Carriageway - breaking existing asphalt	7	16-Jul-18	23-Jul-18	0%
SV12490	Sec V - Roadwork & Utilities Section 1 Carriageway - Road kerb & formation	10	24-Jul-18	03-Aug-18	0%
SV12520	Sec V - Roadwork & Utilities Section 1 Carriageway - Black top	7	04-Aug-18	11-Aug-18	0%
SV12522	Sec V - Section 1 - Implementation of TTA for road closure of northbound and southbound of Expo Drive	3	13-Aug-18	15-Aug-18	0%
SV12524	Sec V - Section 1 - Northbound & Southbound of Expo Drive : breaking asphalt	14	16-Aug-18	31-Aug-18	0%
SV12526	Sec V - Section 1 - Northbound & Southbound of Expo Drive : road kerb & formation	14	01-Sep-18	17-Sep-18	0%
SV12528	Sec V - Section 1 - Northbound & Southbound of Expo Drive : black top	7	18-Sep-18	26-Sep-18	0%
SV12570	Sec V - Roadwork & Utilities Section 1 footpath - utilities:TCSS	12	29-Dec-17 A	05-Mar-18	60%
SV12580	Sec V - Roadwork & Utilities Section 1 footpath - paving block	29	06-Mar-18	12-Apr-18	0%
Section 2 (L1510 - L1504)					
SV12624	Sec V - Roadwork & Utilities Section 1 Carriageway - road kerb & formation	0	04-Jan-18 A	30-Jan-18 A	100%
SV12626	Sec V - Roadwork & Utilities Section 1 Carriageway - black top	13	31-Jan-18 A	06-Mar-18	0%
SV12692	Sec V - Roadwork & Utilities Section 2 footpath - U channel	11	17-Jan-18 A	03-Mar-18	21.43%
SV12695	Sec V - Roadwork & Utilities Section 2 footpath - Watermain	13	05-Mar-18	19-Mar-18	0%
SV12700	Sec V - Roadwork & Utilities Section 2 footpath - utilities: TCSS	16	20-Mar-18	11-Apr-18	0%
SV12740	Sec V - Roadwork & Utilities Section 2 footpath - paving block	18	12-Apr-18	03-May-18	0%
Section 3 (Culvert L - L1510)					
SIV12860	Sec V - Roadwork & Utilities Section 3 footpath - Utilities: TCSS, HGC, PCCW)	30	16-Jan-18 A	26-Mar-18	11.76%
SIV12880	Sec V - Roadwork & Utilities Section 3 footpath - Paving block	21	27-Mar-18	24-Apr-18	0%
Section 4 (K1106 - Culvert L)					
SIV12282	Sec V - Roadwork & Utilities Section 4 Carriageway - Drainage Works (L1311 - Culvert L, L1201 - Culvert L)	10	20-Feb-18	02-Mar-18	0%
SIV12300	Sec V - Roadwork & Utilities Section 4 Carriageway - Gully pipe (L1301 - Culvert L, L1201 - Culvert L)	7	03-Mar-18	10-Mar-18	0%
SIV12302	Sec V - Roadwork & Utilities Section 4 Carriageway - watermain	6	12-Mar-18	17-Mar-18	0%
SIV12305	Sec V - Roadwork & Utilities Section 4 Carriageway - utilities : cross road duct	7	19-Mar-18	26-Mar-18	0%
SIV12310	Sec V - Roadwork & Utilities Section 4 Carriageway - Road kerb & formation : between culvert K and culvert L	15	27-Mar-18	17-Apr-18	0%
SIV12320	Sec V - Roadwork & Utilities Section 4 Carriageway - Black top : between culvert K and culvert L	10	18-Apr-18	28-Apr-18	0%
SIV12340	Sec V - Roadwork & Utilities Section 4 Carriageway - Black top : at west of culvert K	7	20-Feb-18	27-Feb-18	0%
SIV12422	Sec V - Roadwork & Utilities Section 4 footpath - Utilities : TCSS	20	20-Feb-18	14-Mar-18	0%
SIV12440	Sec V - Roadwork & Utilities Section 4 footpath - Utilities : HGC & PCCW	8	15-Mar-18	23-Mar-18	0%

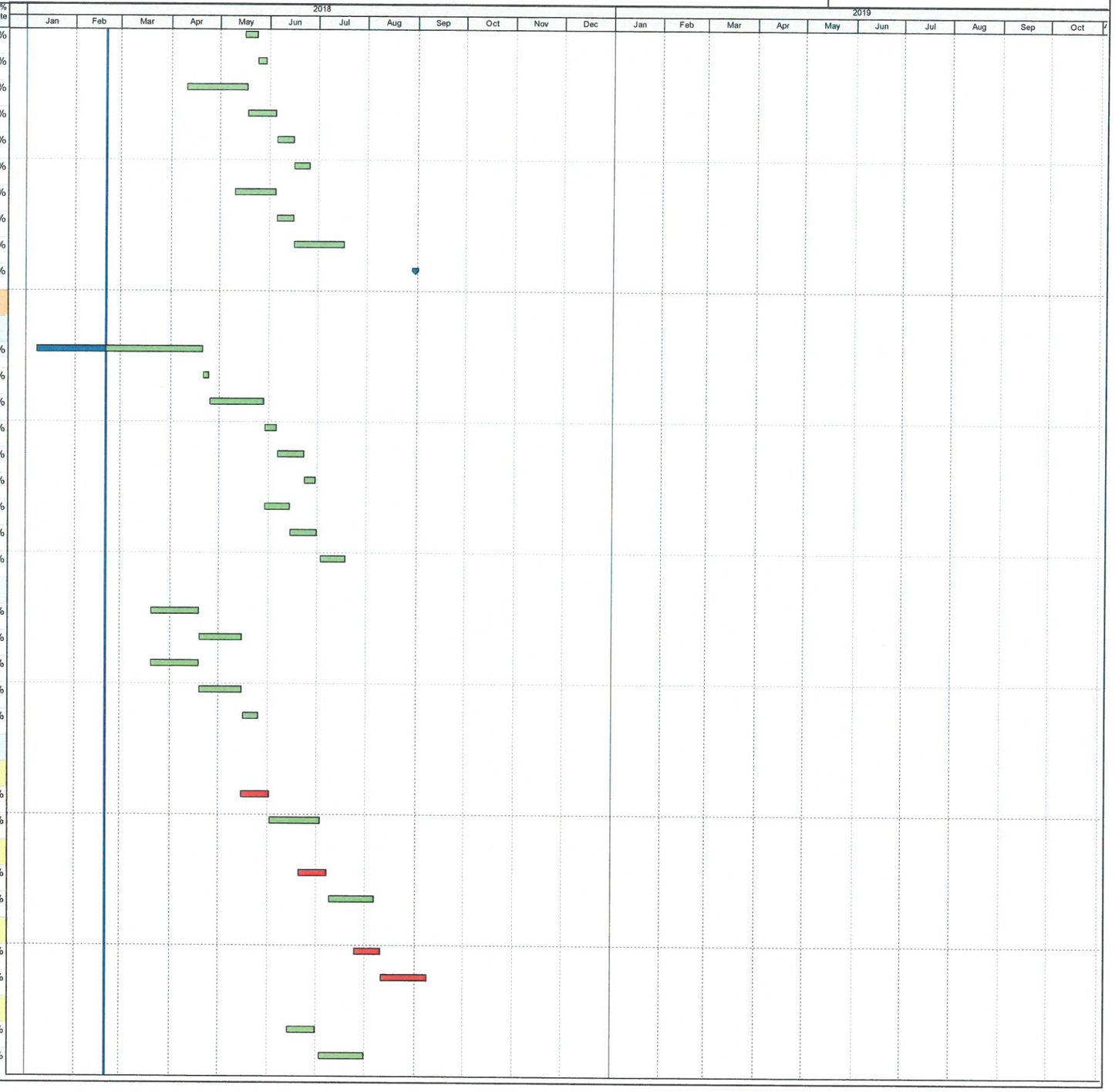


Activity ID	Activity Name	Remaining Dur	Early Start	Early Finish	Activity % Complete
SIV12460	Sec V - Roadwork & Utilities Section 4 footpath - Paving block	22	24-Mar-18	23-Apr-18	0%
SV10300	Achievement of Section V of the Works	0		26-Sep-18	0%
Section IV - Slip Road 3					
Roadwork & Utilities					
Section 1 (L16608 - L1601)					
SIV11747	Sec IV - sign gantry DS20 & DS21 footing (type 2): excavation & ELS	4	30-Dec-17 A	23-Feb-18	80.95%
SIV11748	Sec IV - sign gantry DS20 & DS21 footing (type 2): footing structure	21	24-Feb-18	20-Mar-18	0%
SIV11749	Sec IV - sign gantry DS20 & DS21 footing (type 2): removal of ELS and backfilling	10	21-Mar-18	04-Apr-18	0%
SIV11751	Sec IV - sign gantry DS21 footing (type 3): excavation	5	26-Mar-18	03-Apr-18	0%
SIV11752	Sec IV - sign gantry DS21 footing (type 3): footing structure	13	04-Apr-18	19-Apr-18	0%
SIV11753	Sec IV - sign gantry DS20: install steel frame of gantry D20	14	15-Aug-18	30-Aug-18	0%
SIV11760	Sec IV - Roadwork & Utilities at SR3 Section 1 Carriageway - Drainage Works (L1607 - L1601)	0	09-Dec-17 A	26-Jan-18 A	100%
SIV11761	Sec IV - Roadwork & Utilities at SR3 Section 1 Carriageway - Drainage Works (L1602 - L2005)	0	20-Jan-18 A	27-Jan-18 A	100%
SIV11762	Sec IV - Roadwork & Utilities at SR3 Section 1 Carriageway - Drainage Works (L2103-L2101A)	17	29-Jan-18 A	10-Mar-18	0%
SIV11763	Sec IV - Roadwork & Utilities at SR3 Section 1 Carriageway - Drainage Works (L2004 - L2005, L2101 - L2101A)	21	20-Apr-18	15-May-18	0%
SIV11764	Sec IV - Roadwork & Utilities at SR3 Section 1 Carriageway - Gully pipe (L1607-L1601)	21	12-Mar-18	09-Apr-18	0%
SIV11765	Sec IV - Roadwork & Utilities at SR3 Section 1 Carriageway - Gully pipe (L2004)	7	17-May-18	25-May-18	0%
SIV11780	Sec IV - Roadwork & Utilities at SR3 Section 1 Carriageway - Watermain	18	26-May-18	15-Jun-18	0%
SIV11800	Sec IV - Roadwork & Utilities at SR3 Section 1 Carriageway - Utilities : TCSS crossroad duct	14	16-Jun-18	04-Jul-18	0%
SIV11830	Sec IV - Roadwork & Utilities at SR3 Section 1 Carriageway - Road kerb & formation	24	05-Jul-18	01-Aug-18	0%
SIV11840	Sec IV - Roadwork & Utilities at SR3 Section 1 Carriageway - Black top	11	02-Aug-18	14-Aug-18	0%
SIV11860	Sec IV - Roadwork & Utilities at SR3 Section 1 footpath - Drainage Works: future connection pipes	7	26-May-18	02-Jun-18	0%
SIV11880	Sec IV - Roadwork & Utilities at SR3 Section 1 footpath - watermain	7	04-Jun-18	11-Jun-18	0%
SIV11900	Sec IV - Roadwork & Utilities at SR3 Section 1 footpath - utilities: HEC & TCSS	39	12-Jun-18	28-Jul-18	0%
SIV11920	Sec IV - Roadwork & Utilities at SR3 Section 1 footpath - paving block	17	30-Jul-18	17-Aug-18	0%
Section 2 (L2301 - L2103)					
SIV11942	Sec IV - Roadwork & Utilities at SR3 Section 2 Carriageway - Gully pipe (L2301-L2013, L1608-L1609)	0	28-Dec-17 A	23-Jan-18 A	100%
SIV11960	Sec IV - Roadwork & Utilities at SR3 Section 2 Carriageway - Watermain	0	24-Jan-18 A	03-Feb-18 A	100%
SIV12010	Sec IV - Roadwork & Utilities at SR3 Section 2 Carriageway - Road kerb & formation	20	05-Feb-18 A	14-Mar-18	0%
SIV12020	Sec IV - Roadwork & Utilities at SR3 Section 2 Carriageway - Black top	7	15-Mar-18	22-Mar-18	0%
SIV12040	Sec IV - Roadwork & Utilities at SR3 Section 2 footpath - Drainage Works: future connection pipes	7	07-Mar-18	14-Mar-18	0%
SIV12060	Sec IV - Roadwork & Utilities at SR3 Section 2 footpath - utilities: TCSS	25	15-Mar-18	17-Apr-18	0%
SIV12080	Sec IV - Roadwork & Utilities at SR3 Section 2 footpath - paving block	21	18-Apr-18	12-May-18	0%
Section 3 (M/H1.6 - L2301)					
SIV12092	Sec IV - Roadwork & Utilities at SR3 Section 3 Carriageway - Drainage Works (M/H1.7 - L2301)	38	28-Dec-17 A	09-Apr-18	35.59%
SIV12096	Sec IV - Roadwork & Utilities at SR3 Section 3 Carriageway - M1.7-M1.6: construct manholes	0	29-Nov-17 A	24-Jan-18 A	100%
SIV12102	Sec IV - Roadwork & Utilities at SR3 Section 3 Carriageway - M1.7-M1.6: demolish existing seawall	0	25-Jan-18 A	08-Feb-18 A	100%
SIV12103	Sec IV - Roadwork & Utilities at SR3 Section 3 Carriageway - M1.7-M1.6: ELS	10	09-Feb-18 A	02-Mar-18	0%
SIV12104	Sec IV - Roadwork & Utilities at SR3 Section 3 Carriageway - M1.7-M1.6: Construct manhole & pipes	30	03-Mar-18	11-Apr-18	0%
SIV12120	Sec IV - Roadwork & Utilities at SR3 Section 3 Carriageway - Drainage Works (M1.6-C1.1-C1.2): ELS,construct MH and	28	12-Apr-18	15-May-18	0%

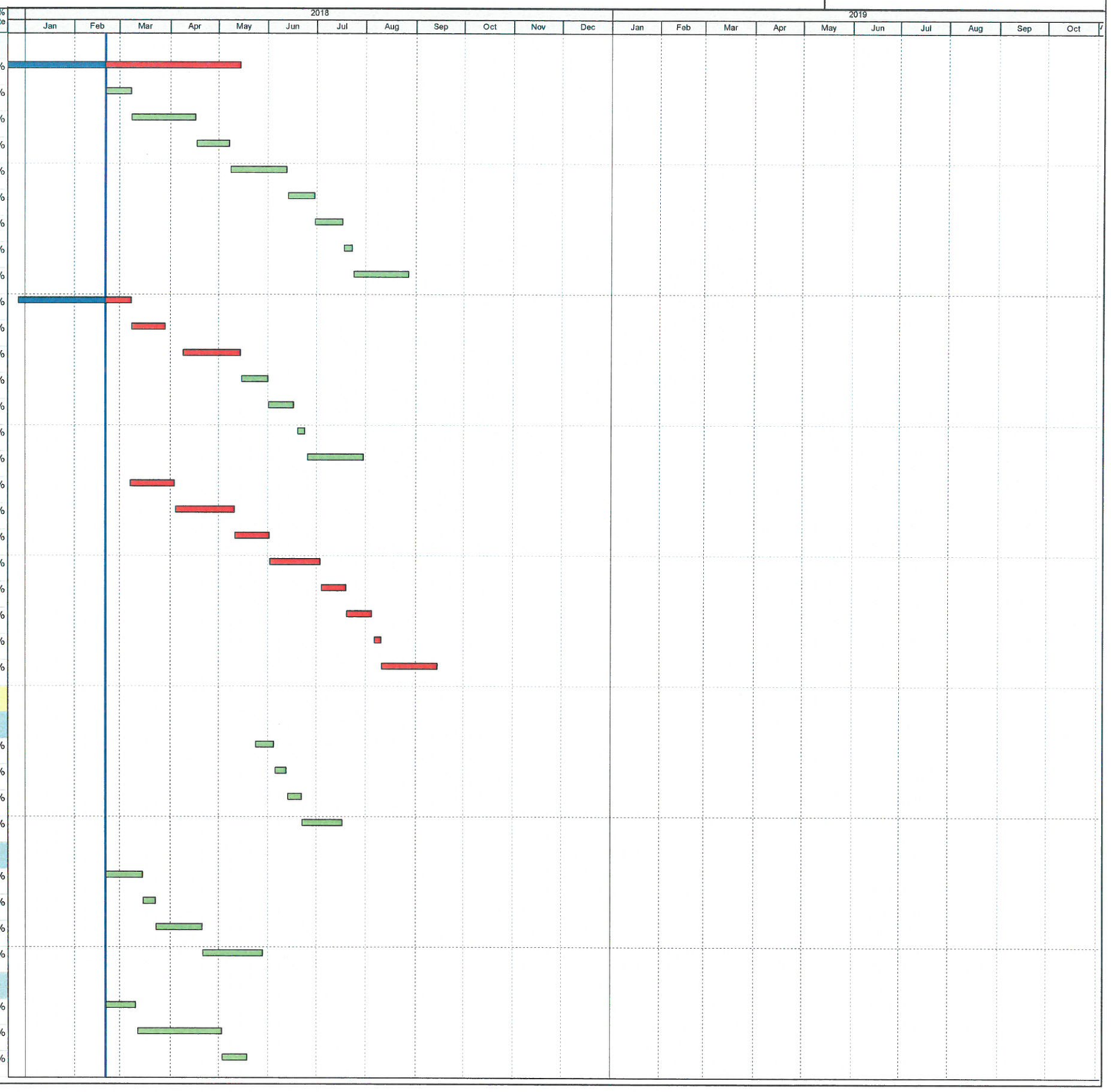


CEDD Contract No. HK/2012/08
Wan Chai Development Phase II
Central - Wan Chai Bypass at Wan Chai West

Activity ID	Activity Name	Remaining Dur	Early Start	Early Finish	Activity % Complete
SIV12121	Sec IV - Roadwork & Utilities at SR3 Section 3 Carriageway - Drainage Works (M1.6-C1.1-C1.2): Backfilling & shift lane	6	16-May-18	23-May-18	0%
SIV12122	Sec IV - Roadwork & Utilities at SR3 Section 3 Carriageway - Drainage Works (M1.6-C1.1-C1.2): Construct MH C1.2	5	24-May-18	29-May-18	0%
SIV12140	Sec IV - Roadwork & Utilities at SR3 Section 3 Carriageway - Gully pipe (M/H 1.7 - L2301)	32	10-Apr-18	17-May-18	0%
SIV12150	Sec IV - Roadwork & Utilities at SR3 Section 3 Carriageway - Road kerb	14	18-May-18	04-Jun-18	0%
SIV12155	Sec IV - Roadwork & Utilities at SR3 Section 3 Carriageway - formation	10	05-Jun-18	15-Jun-18	0%
SIV12160	Sec IV - Roadwork & Utilities at SR3 Section 3 Carriageway - Black top	7	16-Jun-18	25-Jun-18	0%
SIV12170	Sec IV - Roadwork & Utilities at SR3 Section 3 footpath - Utilities: TCSS	21	10-May-18	04-Jun-18	0%
SIV12180	Sec IV - Roadwork & Utilities at SR3 Section 3 footpath - U channel	10	05-Jun-18	15-Jun-18	0%
SIV12220	Sec IV - Roadwork & Utilities at SR3 Section 3 footpath - Paving block	25	16-Jun-18	17-Jul-18	0%
SIV12222	Achievement of Section IV of the Works	0		30-Aug-18	0%
Section VII - Remainder Works					
Road & Drainage Works (Culvert L - M/H1.7, Adjacent to SR3)					
SVII11600	Sec IV - Roadwork & Utilities at SR3 Section 4 Carriageway - Drainage Works (Culvert L -MH1.7)	48	08-Jan-18 A	20-Apr-18	18.64%
SVII11620	Sec IV - Roadwork & Utilities at SR3 Section 4 Carriageway : traffic diversion at Lung King Street	3	21-Apr-18	24-Apr-18	0%
SVII11640	Sec IV - Roadwork & Utilities at SR3 Section 4 Carriageway - Gully pipe (Culvert L -MH1.7)	27	25-Apr-18	28-May-18	0%
SVII11650	Sec IV - Roadwork & Utilities at SR3 Section 4 Carriageway - TCSS duct	7	29-May-18	05-Jun-18	0%
SVII11654	Sec IV - Roadwork & Utilities at SR3 Section 4 Carriageway - road kerb & formation	14	06-Jun-18	22-Jun-18	0%
SVII11660	Sec IV - Roadwork & Utilities at SR3 Section 4 Carriageway - Black top	6	23-Jun-18	29-Jun-18	0%
SVII11680	Sec IV - Roadwork & Utilities at SR3 Section 4 footpath - U channel	14	29-May-18	13-Jun-18	0%
SVII11700	Sec IV - Roadwork & Utilities at SR3 Section 4 footpath - utilities: TCSS	14	14-Jun-18	30-Jun-18	0%
SVII11720	Sec IV - Roadwork & Utilities at SR3 Section 4 footpath - paving block	14	03-Jul-18	18-Jul-18	0%
Retaining Wall RW5 Construction					
SVII10660	Sec VII - Retaining Wall RW5 (bay 1) - construct base slab and wall	22	20-Mar-18	18-Apr-18	0%
SVII10680	Sec VII - Retaining wall RW5 (bay 2) - construct base slab and wall	22	19-Apr-18	15-May-18	0%
SVII10800	Sec VII - Retaining wall RW5 (bay 3) - construct base slab and wall	22	20-Mar-18	18-Apr-18	0%
SVII10820	Sec VII - Retaining wall RW5 (bay 4) - construct base slab and wall	22	19-Apr-18	15-May-18	0%
SVII10860	Sec VII - Retaining wall RW5 - curing, removal formwork	8	16-May-18	25-May-18	0%
Landing Steps Construction					
Landing Steps BSW13					
SVII10900	Sec VII - Landing steps (BSW13) - install vertical fender / step fender	15	15-May-18	01-Jun-18	0%
SVII10920	Sec VII - Landing steps (BSW13) - install s.s. handrail / tactile / sign board / bollard	25	02-Jun-18	03-Jul-18	0%
Landing Steps BSW4					
SVII10980	Sec VII - Landing steps (BSW4) - install vertical fender / step fender	15	20-Jun-18	07-Jul-18	0%
SVII11000	Sec VII - Landing steps (BSW4) - install s.s. handrail / tactile / sign board / bollard	25	09-Jul-18	06-Aug-18	0%
Landing Steps BSW5					
SVII11060	Sec VII - Landing steps (BSW5) - install vertical fender / step fender	15	25-Jul-18	10-Aug-18	0%
SVII11080	Sec VII - Landing steps (BSW5) - install s.s. handrail / tactile / sign board / bollard	25	11-Aug-18	08-Sep-18	0%
Landing Steps BSW9					
SVII11140	Sec VII - Landing steps (BSW9) - install vertical fender / step fender	15	13-Jun-18	30-Jun-18	0%
SVII11160	Sec VII - Landing steps (BSW9) - install s.s. handrail / tactile / sign board / bollard	25	03-Jul-18	31-Jul-18	0%



Activity ID	Activity Name	Remaining Dur	Early Start	Early Finish	Activity % Complete
Promenade Seawall Parapet Construction & EVA					
SVII12000	Sec VII - Precast parapet	67	18-Nov-17 A	14-May-18	0%
SVII12010	Sec VII - Zone CRIII - seawall parapet: Backfilling	14	20-Feb-18	07-Mar-18	0%
SVII12120	Sec VII - Zone CRIII - seawall parapet: Construct mass concrete coping	30	08-Mar-18	16-Apr-18	0%
SVII12122	Sec VII - Zone CRIII - seawall parapet: reinforced concret coping	17	17-Apr-18	07-May-18	0%
SVII12140	Sec VII - Zone CRIII - seawall parapet: construct seawall parapet	30	08-May-18	12-Jun-18	0%
SVII12160	Sec VII - CRIII - EVA: watermain	14	13-Jun-18	29-Jun-18	0%
SVII12180	Sec VII - CRIII - EVA: U-channel	14	30-Jun-18	17-Jul-18	0%
SVII12200	Sec VII - CRIII - EVA: bituminous layer	5	18-Jul-18	23-Jul-18	0%
SVII12220	Sec VII - CRIII - EVA: paving block	30	24-Jul-18	27-Aug-18	0%
SVII13120	Sec VII - Zone A1, A2 & B - seawall parapet: Construct mass concrete coping	14	28-Dec-17 A	07-Mar-18	68.18%
SVII13122	Sec VII - Zone A1, A2 & B - seawall parapet: reinforced concrete coping	18	08-Mar-18	28-Mar-18	0%
SVII13140	Sec VII - Zone A1, A2 & B - seawall parapet: Construct seawall parapet	30	09-Apr-18	14-May-18	0%
SVII13160	Sec VII - Zone A1, A2 & B - EVA: watermain	14	15-May-18	31-May-18	0%
SVII13180	Sec VII - Zone A1, A2 & B - EVA: U-channel	14	01-Jun-18	16-Jun-18	0%
SVII13182	Sec VII - Zone A1, A2 & B - EVA: bituminous layer	5	19-Jun-18	23-Jun-18	0%
SVII13184	Sec VII - Zone A1, A2 & B - EVA: paving block	30	25-Jun-18	30-Jul-18	0%
SVII13200	Sec VII - Zone D - seawall parapet: Remove temporary seawall block	21	07-Mar-18	03-Apr-18	0%
SVII13220	Sec VII - Zone D - seawall parapet: Construct mass concrete	30	04-Apr-18	10-May-18	0%
SVII13222	Sec VII - Zone D - seawall parapet: reinforced concrete coping	18	11-May-18	01-Jun-18	0%
SVII13240	Sec VII - Zone D - seawall parapet: Construct seawall parapet	25	02-Jun-18	03-Jul-18	0%
SVII13260	Sec VII - Zone D - EVA : watermain	14	04-Jul-18	19-Jul-18	0%
SVII13280	Sec VII - Zone D - EVA : U-channnel	14	20-Jul-18	04-Aug-18	0%
SVII13300	Sec VII - Zone D - EVA : bituminous layer	5	06-Aug-18	10-Aug-18	0%
SVII13320	Sec VII - Zone D - EVA : paving block	30	11-Aug-18	14-Sep-18	0%
Promenade Footpath					
Section 1					
SVII10440	Sec VII - section 1 footpath - drainage works : connection pipe & U -channel	10	24-May-18	04-Jun-18	0%
SVII10445	Sec VII - section 1 footpath - watermain	7	05-Jun-18	12-Jun-18	0%
SVII10460	Sec VII - section 1 footpath - lighting	7	13-Jun-18	21-Jun-18	0%
SVII10500	Sec VII - section 1 footpath - paving block	21	22-Jun-18	17-Jul-18	0%
Section 2					
SVII12610	Sec VII - section 2 footpath - drainage works : L2202 - L2203A	20	20-Feb-18	14-Mar-18	0%
SVII12615	Sec VII - section 2 footpath - watermain	7	15-Mar-18	22-Mar-18	0%
SVII12630	Sec VII - section 2 footpath - utilities: TCSS	21	23-Mar-18	20-Apr-18	0%
SVII12670	Sec VII - section 2 footpath - paving block	30	21-Apr-18	28-May-18	0%
Section 3					
SVII12850	Sec VII - section 3 footpath - watermain	17	20-Feb-18	10-Mar-18	0%
SVII12870	Sec VII - section 3 footpath - utilities (HEC, TCSS, HGC, PCCW)	40	12-Mar-18	02-May-18	0%
SVII12875	Sec VII - 3 footpath - drainage works :U chanel	14	03-May-18	18-May-18	0%



CEDD Contract No. HK/2012/08
Wan Chai Development Phase II
Central - Wan Chai Bypass at Wan Chai West

Activity ID	Activity Name	Remaining Dur	Early Start	Early Finish	Activity % Complete
SVII12890	Sec VII - section 3 footpath - paving block	30	19-May-18	25-Jun-18	0%
Section 4					
SVII13049	Sec VII - section 4 footpath - watermain	1	14-Nov-17 A	20-Feb-18	95.24%
SVII13050	Sec VII - section 4 footpath - drainage works (L2203 -L2203A)	21	21-Feb-18	16-Mar-18	0%
SVII13055	Sec VII - section 4 footpath - utilities: HEC, TCSS, HEC & PCCW	49	17-Mar-18	18-May-18	0%
SVII13110	Sec VII - section 4 footpath - paving block	25	19-May-18	19-Jun-18	0%
Section 5					
SVII13270	Sec VII - section 5 footpath - drainage works :L2203A -L2204	14	17-Mar-18	06-Apr-18	0%
SVII13275	Sec VII - section 5 footpath - watermain	14	07-Apr-18	23-Apr-18	0%
SVII13310	Sec VII - section 5 footpath - utilities: HEC, TCSS, HGC, PCCW	42	24-Apr-18	13-Jun-18	0%
SVII13330	Sec VII - section 5 footpath - paving block	22	14-Jun-18	11-Jul-18	0%
Section 6					
SVII13490	Sec VII - section 6 footpath - drainage works(Culvert L - L2204)	14	20-Feb-18	07-Mar-18	0%
SVII13510	Sec VII - section 6 footpath - watermain	13	08-Mar-18	22-Mar-18	0%
SVII13514	Sec VII - section 6 footpath - U channel	20	23-Mar-18	19-Apr-18	0%
SVII13530	Sec VII - section 6 footpath - utilities: HEC, TCSS, HGC, PCCW	49	23-Mar-18	25-May-18	0%
SVII13550	Sec III A - section 6 footpath - paving block	25	26-May-18	25-Jun-18	0%
SVII19420	Achievement of Section VII of the Works	0		14-Sep-18	0%
Section VIII - Landscape Softworks					
Soft Landscaping Works					
SVIII10040	Sec VIII - Trees Planting	141	04-May-18	21-Sep-18	0%
SVIII10060	Sec VIII - Shrubs Planting	141	04-May-18	21-Sep-18	0%
SVIII10080	Achievement of Section VIII of the Works	0		21-Sep-18	0%
Section IX - Establishment Works					
Soft Landscaping Works					
SIX10020	Sec IX - Establishment Works	365	22-Sep-18	21-Sep-19	0%
SIX10040	Achievement of Section IX of the Works	0		21-Sep-19	0%
Section X - Protection & Preservation of Trees					
Summary of Section X - Protection & Preservation of Trees					
SX10000	Achievement of Section X of the Works	0		21-Sep-18	0%
Soft Landscaping Works					
SX10020	Sec X - Protection & Preservation of Trees	214	31-Jan-13 A	21-Sep-18	86.89%