MONTHLY EM&A REPORT

The Jockey Club CPS Limited

Central Police Station Conservation and Revitalisation Project: 40^{th} Monthly EM&A Report (1 February to 28 February 2015)

Issue Date: March 2015

Environmental Resources Management

16/F Berkshire House 25 Westlands Road Quarry Bay, Hong Kong Telephone: (852) 2271 3000 Facsimile: (852) 2723 5660 E-mail: post.hk@erm.com http://www.erm.com

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Issue Date: March 2015

Reference 0095646

For and on b	ehalf of
ERM-Hong H	Kong, Limited
Approved by Signed: _	r: Frank Wan Warchert
Position: _	Partner
Certified by:	MAS
	ironmental Team Leader – Winnie Ko)
Date:	12 March 2015

This report has been prepared by ERM-Hong Kong, Limited with all reasonable skill, care and diligence within the terms of the Contract with the client, incorporating our General Terms and Conditions of Business and taking account of the resources devoted to it by agreement with the client.

We disclaim any responsibility to the client and others in respect of any matters outside the scope of the above.

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阿特金斯 ATKINS 香港九龍尖沙咀海港城 九倉電訊中心十三樓 13/F Wharf T&T Centre Harbour City Tsim Sha Tsui Kowloon Hong Kong

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Date: 13 March 2015

By Post and Email

ERM-Hong Kong Limited, 16/F Berkshire House, 25 Westlands Road, Quarry Bay, Hong Kong

Attn: Ms Winnie Ko

Dear Winnie,

Central Police Station Conservation and Revitalization Project Verification of Monthly EM&A Report No. 40

We refer to your letter dated 13 March 2015 regarding the Monthly EM&A Report No.40. Atkins China Ltd. verifies, in the capacity of Independent Environmental Checker, that the report, in principle, conforms the requirements provided in Condition 3.4 of the Environmental Permit (EP-408/2011/B).

Yours sincerely, For Atkins China Ltd.

maifal

Sharifah Or Independent Environmental Checker

c.c. HKJC – Mr. Kenneth Lee Rocco Design Architect – Mr. Charles Kung By Email By Email

 Telephone
 (852) 2972 1000

 Facsimile
 (852) 2890 6343

info.hk@atkinsglobal.com www.atkinsglobal.com

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EXECUTIVE SUMMARY

The construction works of **Central Police Station Conservation and Revitalisation Project** commenced on 24 October 2011. This is the 40th monthly Environmental Monitoring and Audit (EM&A) report presenting the EM&A works carried out during the period from 1 to 28 February 2015 in accordance with the EM&A Manual.

Summary of Construction Works undertaken during Reporting Period

The major construction works undertaken during the reporting period include:

- Structural addition and alteration works at Blocks 3, 4, 9, 10, 11, 12, 13 and 17;
- Roof repair works at Blocks 8 and 15;
- Balcony repair at Blocks 8, 9 and 10;
- Paint stripping and plaster repair at Blocks 2, 3, 10, 11 and 14;
- Timber doors and windows repair works at Blocks 2, 3, 4, 9, 13 and 14;
- Structural timber floor repair at Blocks 6, 10 and 14;
- Metal works repair at Blocks 3, 11, 12, 14, 15 and 17;
- Façade works at Blocks 2, 3, 4, 8, 9, 10, 13, 14 and 15;
- Arbuthnot Wing structure construction;
- Old Bailey Wing structure construction;
- E&M opening at Blocks 2, 3, 10, 11, 12 and 14;
- E&M installation at Blocks 1, 8 and basement plant room;
- Underground drainage at Blocks 2, 3, 6, 7, 10 and 11;
- R19, R22 and R24 upgrading;
- Site wide underground services; and
- Road works at Old Bailey Street.

Environmental Monitoring and Audit Progress

A summary of the monitoring activities in this reporting period is listed below:

• Construction noise monitoring during normal weekdays at each	
monitoring station	5 times
 Joint environmental site inspection 	1 time
Heritage site inspections	19 times
Landscape & visual monitoring	1 time
Tree inspection	1 time
 Vibration monitoring for piling works 	90 times
Vibration monitoring for other construction works	54 times

Noise

5 sets of 30-minute construction noise measurements were carried out at each of the monitoring stations (NM2 and NM6) during normal weekdays of the reporting period. No exceedance of the Action or Limit Level of construction noise was recorded during the reporting period.

Cultural Heritage

Vibration monitoring carried out for the trial piling and piling works during the reporting period are listed below:

- 18 vibration monitoring measurements for the basement construction at Parade Ground;
- 18 vibration monitoring measurements at Block 8;
- 18 vibration monitoring measurements at Old Bailey Wing (Block 50);
- 18 vibration monitoring measurements at Block 51; and
- 18 vibration monitoring measurements at Block 17.

Vibration monitoring carried out for other construction works during the reporting period are listed below:

- 18 vibration monitoring measurements for the structural addition and alteration works at Block 1;
- 18 vibration monitoring measurements for the structural addition and alteration works at Block 14.
- 18 vibration monitoring measurements for the structural addition and alteration works at Block 11.

No exceedance of the Alert, Alarm and Action Levels was recorded during the reporting period.

Heritage site audits were conducted on 2-6, 9-13, 16-19 and 23-27 February 2015 by the Heritage Checker during the reporting period. Major observations and recommendations during the site inspections were listed below:

4 February 2015

• Lack of protection was observed for the painted sign in Block 4. The Contractor was informed to follow up.

9 February 2015

• It was observed that the mirrors installed in toilets of Block 1 lower ground floor do not conform with the specification. The Contractor was informed to follow up.

12 February 2015

• It was observed that the worker was repairing render immediately adjacent to un-cleaned granite. However, it was reminded that the granite should be cleaned prior to undertaking render repairs. The Contractor was informed to follow up.

19 February 2015

• It was observed that a window louvre in Block 1 was installed smaller than the opening size. The Contractor was informed to follow up.

27 February 2015

• It was observed that the painted sign "D Hall" to Block 14 was missing. The Contractor was informed to follow up.

The Contractor was urged to follow-up the necessary rectification based on the inspection findings.

The follow-up actions recommended in the heritage site audits from the last reporting period (January 2015) have generally been implemented.

Landscape & Visual

Landscape and visual monitoring has commenced since October 2011 on a monthly basis. Tree inspection was conducted on 5 February 2015 by the arborist during the reporting period. Withered leaves were observed at Tree-11 and the Contractor was reminded to keep close monitoring on the growth of the tree.

Waste Management

Wastes generated from this Project include inert construction and demolition (C&D) materials and non-inert C&D materials. A total of 593.97 tonnes of inert C&D materials were generated during the reporting period. 133.74 tonnes of non-inert C&D materials comprising general refuse were generated and disposed of at the SENT Landfill. 4,120 kg of metals were produced and sent to recyclers for recycling. No plastic waste or paper/cardboard packaging was generated during the reporting period. No chemical waste was produced during the reporting period.

Environmental Site Inspection

A joint environmental site inspection was carried out by the representatives of the Contractor, the IEC and the ET on 9 February 2015. There was no major observation or recommendation during the site inspection.

Environmental Exceedance/Non-conformance/Compliant/Summons and Prosecution

No exceedance of the Action or Limit Level of construction noise was recorded at designated monitoring stations during the reporting period.

No exceedance of the Alert, Alarm and Action Levels of vibration was recorded during the reporting period.

No enquiry was received during the reporting period.

No non-compliance event was recorded during the reporting period.

One complaint was received during the reporting period.

No summons/prosecution was received during the reporting period.

Future Key Issues

Works to be undertaken in the next month include:

- Structural addition and alteration works at Blocks 3, 4, 9, 10, 11, 12, 13 and 17;
- Roof repair works at Blocks 8 and 15;
- Balcony repair at Blocks 8, 9 and 10;
- Paint stripping and plaster repair at Blocks 2, 3, 10, 11, and 14;
- Timber doors and windows repair works at Blocks 2, 3, 4, 8, 9, 10, 13, and 14;
- Structural timber floor repair at Blocks 3, 6, 10 and 14;
- Metal works repair at Blocks 3, 11, 12, 13, 14, 15 and 17;
- Façade works at Blocks 2, 3, 4, 8, 9, 10, 12, 13, 14, 15 and 17;
- Arbuthnot Wing structure construction;
- Old Bailey Wing corewall and steel structure construction;
- E&M opening at Blocks 2, 3, 4, 9, 10, 11, 12, 14 and 17;
- E&M installation at Blocks 1, 8 and basement plant room;
- Underground drainage at Blocks 6, 7, 10, 11, 13 and 14;
- R19 and R23 upgrading;
- Site-wide underground services; and
- Road works at Old Bailey Street and Hollywood Road.

Potential environmental impacts arising from the above construction activities are mainly associated with dust, construction noise, site runoff and waste management.

1 INTRODUCTION

ERM-Hong Kong, Limited (ERM) was appointed by the Jockey Club CPS Limited (the CPS Ltd) as the Environmental Team (ET) to undertake the Environmental Monitoring and Audit (EM&A) programme for the **Central Police Station Conservation and Revitalisation Project** (the Project).

1.1 PURPOSE OF THE REPORT

This is the 40th EM&A report which summarises the impact monitoring results and audit findings for the EM&A programme during the reporting period from **1** to **28 February 2015**.

1.2 STRUCTURE OF THE REPORT

The structure of the report is as follows:

Section 1 : Introduction

details the scope and structure of the report.

Section 2: Project Information

summarises background and scope of the Project, site description, project organization and contact details, construction programme, the construction works undertaken and the status of Environmental Permit(s)/License(s) during the reporting period.

Section 3: Environmental Monitoring Requirements

summarises the monitoring parameters, monitoring programmes, monitoring methodologies, monitoring frequency, monitoring locations, Action and Limit Levels, Event/Action Plans, environmental mitigation measures as recommended in the EIA report and relevant environmental requirements.

Section 4 : Implementation Status on Environmental Protection Requirements

summarises the implementation of environmental protection measures during the reporting period.

Section 5 : Monitoring Results

summarises the monitoring results obtained in the reporting period.

Section 6: **Environmental Site Inspection** summarises the audit findings of the site inspections undertaken within the reporting period.

Section 7: Environmental Non-conformance

summarises any monitoring exceedance, environmental complaints and environmental summons within the reporting period.

Section 8: Future Key Issues

summarises the impact forecast and monitoring schedule for the next reporting month.

Section 9: Conclusions

2.1 BACKGROUND

The Chief Executive (CE)'s 2007-2008 Policy Address highlighted revitalisation as the guiding principle of heritage conservation and the Project was one of the specific proposals put forward by the CE in the same Policy Address. At the meeting of the Executive Council (ExCo) on 15 July 2008, the ExCo advised and the CE ordered that Government should enter into a partnership with the Hong Kong Jockey Club (HKJC) in the form of an agreement (or agreements) to take forward the conservation and revitalisation of the CPS project based on various guiding parameters. The Project is now being undertaken in partnership with the Development Bureau of the HKSAR Government. The HKJC has taken on board the decision at the ExCo meeting and further investigated the design and implementation of the Project. The Project is now implemented by the Jockey Club CPS Limited.

2.2 SITE DESCRIPTION

The location of the Project Site is shown in *Annex A1*. The Site is bounded by Hollywood Road to the north, Arbuthnot Road to the east, Chancery Lane to the south and Old Bailey Street to the west.

The Site comprises three Declared Monuments designated under the *Antiquities and Monuments Ordinance* in 1995. They are:

- Central Police Station;
- Former Central Magistracy; and
- Victoria Prison Compound.

They are collectively named the Central Police Station (CPS). *Annex A2* shows the location of the Declared Monuments within CPS and the buildings within the CPS.

2.3 CONSTRUCTION ACTIVITIES

A summary of the major construction activities undertaken in this reporting period is shown in *Table 2.1* and illustrated in *Annex A3*.

Construction Activities Undertaken

- Structural addition and alteration works at Blocks 3, 4, 9, 10, 11, 12, 13 and 17;
- Roof repair works at Blocks 8 and 15;
- Balcony repair at Blocks 8, 9 and 10;
- Paint stripping and plaster repair at Blocks 2, 3, 10, 11 and 14;
- Timber doors and windows repair works at Blocks 2, 3, 4, 9, 13 and 14;
- Structural timber floor repair at Blocks 6, 10 and 14;
- Metal works repair at Blocks 3, 11, 12, 14, 15 and 17;
- Façade works at Blocks 2, 3, 4, 8, 9, 10, 13, 14 and 15;
- Arbuthnot Wing structure construction;
- Old Bailey Wing structure construction;
- E&M opening at Blocks 2, 3, 10, 11, 12 and 14;
- E&M installation at Blocks 1, 8 and basement plant room;
- Underground drainage at Blocks 2, 3, 6, 7, 10 and 11;
- R19, R22 and R24 upgrading;
- Site wide underground services; and
- Road works at Old Bailey Street.

2.4 **PROJECT ORGANISATION**

The Project organisation chart and contact details are shown in *Annex B*.

2.5 STATUS OF ENVIRONMENTAL APPROVAL DOCUMENTS

A summary of the relevant permits, licences, and/or notifications on environmental protection for this Project since the granting of the EP in April 2011 is presented in *Table 2.2*.

Permit/ Licences/ Notification	Reference	Validity Period	Remarks	
Environmental Permit (EP)	EP-408/2011	-	Superseded on 10 January 2012	
	EP-408/2011/A	-	Superseded on 22 March 2012	
	EP-408/2011/B	Throughout the Contract	Permit granted on 22 March 2012	
Notification of Construction Works as required under <i>Air</i> <i>Pollution Control</i> (<i>Construction Dust</i>) <i>Regulation</i>	Ref. No. 332920	Throughout the Contract	-	
Registration of Waste Producer under Waste Disposal Ordinance	Waste Producer No.: 5213-122-G2347-25	Throughout the Contract	-	
Effluent Discharge License under Water Pollution Control Ordinance	License No. WT00010633-2011	21 Oct 2011 – 31 Oct 2016	-	
Notification of Commencement of Asbestos Abatement Work under <i>Air</i> <i>Pollution Control</i> <i>Ordinance</i>	-	Throughout the Contract	EPD's letter (EPD's ref.: (5) in EPAC/A/4/000/22 3 II) dated 2 December 2011 satisfied that the content of the asbestos abatement plan (Report No.: 0210/11/ED/00784) is in accordance with the APCO	
Approval of Asbestos Abatement Work (Phase 2)	-	Earliest commencement date on 26 January 2012	EPD's letter (EPD's ref:() in EPAC/A/4/000/2 3) dated 18 January 2012.	
Construction Noise Permit (CNP)	GW-RS0734-12	11 July 2012 at 0200 hours to 2 August 2012 at 0400 hours	Expired.	
	GW-RS0839-12	13 August 2012 at 1900 hours to 31 December 2012 at 0700 hours	Expired.	
	GW-RS1162-12	1 December 2012 at 0000 hours to 28 March 2013 at 0600 hours	Expired.	
	GW-RS0113-13	1 February 2013 at 0200 hours to 31 May 2013 at 0400 hours	Expired.	

GW-RS1301-12	2 January 2013 at 1900 hours to 29 June 2013 at 2300 hours	Expired.
GW-RS0084-13	24 January 2013 at 1900 hours to 29 June 2013 at 0700 hours	Expired.
GW-RS0638-13	16 June 2013 at 0700 hours to 15 September 2013 at 1900 hours	Expired.
GW-RS0901-13	14 August 2013 at 0000 hours to 31 October 2013 at 0600 hours	Expired.
GW-RS0714-13	29 June 2013 at 1900 hours to 28 December 2013 at 2400 hours	Expired.
GW-RS0745-13	5 July 2013 at 1900 hours to 30 December 2013 at 2300 hours	Expired.
GW-RS1110-13	7 October 2013 at 0200 hours to 31 December 2013 at 0400 hours	Expired.
GW-RS1205-13	4 November 2013 at 0000 hours to 30 January 2014 at 2400 hours	Expired.
GW-RS1275-13	13 November 2013 at 0000 hours to 30 April 2014 at 2400 hours	Expired.
GW-RS0062-14	10 February 2014 at 0000 hours to 31 March 2014 at 2400 hours.	Expired.
GW-RS1461-13	29 December 2013 at 0000 hours to 28 June 2014 at 2400 hours.	Expired.
GW-RS0271-14	1 April 2014 at 0100 hours to 30 June 2014 at 0600 hours	Expired.
GW-RS0434-14	8 May 2014 at 0000 hours to 30 September 2014 at 2400 hours	Expired.
GW-RS0651-14	28 July 2014 at 0000 hours to 26 September 2014 at 2400 hours	Expired.

	0000 hours to 28 December 2014 at 2400 hours	
GW-RS0918-14	29 September 2014 at 0000 hours to 31 December 2014 at 2400 hours	Expired.
GW-RS0749-14	1 August 2014 at 0000 hours to 31 January 2015 at 2400 hours	Expired.
GW-RS0086-15	1 February 2015 at 0000 hours to 30 June 2015 at 2400 hours	-

3.1 NOISE MONITORING

3.1.1 Monitoring Location

The construction noise monitoring locations are listed in *Table 3.1* and are shown in *Annex C*.

Table 3.1Construction Phase Noise Monitoring Station

Monitoring Location	Proposed Construction Noise Monitoring Station			
	ID in EM&A Manual	ID	Type of Measurement	Remark
Rooftop of Ho Fook Building	N2	NM2	Façade	-
Rooftop of Chancery Mansion		NM6	Façade	Accesses to the original proposed monitoring location in the EM&A Manual, Chancery House (N5), were denied; alternative location of Chancery Mansion (N6), were therefore proposed and approved by the Authorised Person (AP), the Independent Environmental Checker (IEC) and EPD.

The noise sensitive receivers are also shown in *Annex C*.

3.1.2 Monitoring Parameters, Frequency and Programme

Weekly construction noise monitoring was conducted in accordance with the requirements stipulated in the EM&A Manual. The monitoring programme for this reporting period is shown in *Annex D*.

The construction noise levels were measured in terms of A-weighted equivalent continuous sound pressure level (L_{eq}) in decibels dB(A). $L_{eq (30min)}$ were used as the monitoring parameter for the time period in between 0700 – 1900 hours on normal weekdays. Supplementary information for data auditing, two statistical sound levels L_{10} and L_{90} - the levels exceeded for 10 and 90 percent of the time respectively, were also recorded during the monitoring for reference. The measured noise levels were logged in every 5 minutes throughout the impact monitoring period.

3.1.3 Monitoring Equipment and Methodology

Construction noise measurements were conducted in accordance with the calibration and measurement procedures as stated in *Annex – General Calibration and Measurement Procedures* of *Technical Memorandum on Noise from Construction Work other than Percussive Piling (GW-TM)* issued under the *Noise Control Ordinance (NCO)* (Cap 400).

The sound level meters and calibrator used for the noise measurement, as listed in *Table 3.2*, complies with the IEC 651: 1979 and 804:1985 (Type 1) specifications. The calibration certificates of the sound level meters are appended in *Annex E*.

Table 3.2Noise Monitoring Equipment

Monitoring Stations	Monitoring Equipment (Sound Level Meter and Calibrator)	
NM2, NM6	<u>Calibrator</u> CEL-120 (S/N 3421612)	
	Sound Level Meter	
	CEL-633A (S/N 3521757)	

Immediately prior to and following the noise measurements, the accuracy of the measurement equipment was checked using an acoustic calibrator generating a known sound pressure level at a known frequency.

Measurements were accepted as the calibration level from before and after the noise measurement agree to within 1.0 dB(A).

3.1.4 Event / Action Plan

Table 3.3 Action and Limit Levels for Construction Noise Monitoring

Noise Monitoring Location	Action Level	Limit Level, L _{eq(30mins)} , dB(A)	Remark
NM2, NM6	When one documented complaint is received from any one of the sensitive receivers	75 (note)	Applicable during 0700 – 1900 hours on normal weekdays.
Notes:			
· •	se Levels for Area Ser ools and 65dB(A) dur	, 0	B/C. Limit Level is reduced to on periods.
b) If works are to	be carried out during	restricted hours, the c	conditions stipulated in the CNP

issued by the NCA have to be followed.

The Event / Action Plan (EAP) for noise monitoring is presented in Annex F.

3.1.5 *Mitigation Measures*

The mitigation measures in accordance with the EP, EIA and EM&A Manual and their implementation status are presented in *Annex G*.

3.2 CULTURAL HERITAGE

3.2.1 Vibration Monitoring

In accordance with the EM&A Manual, vibration monitoring is required and the vibration control limits and vibration monitoring proposal are defined by a specialist for AMO's approval.

Baseline Monitoring

A set of initial readings should be recorded prior to commencement of each stage of demolition works or trial piling works. The baseline vibration monitoring should be conducted for duration of 5 minutes on the measurement day(s) at each vibration monitoring location.

Vibration Monitoring for Demolition Works

There are five phases/stages of vibration monitoring to be carried out for demolition works, namely Initial Reading Phase, Monitoring Stage 1, Monitoring Stage 2, Monitoring Stage 3 and Monitoring Stage 4. The vibration monitoring should be conducted for duration of 5 minutes on the days with demolition works at each vibration monitoring location.

Vibration Monitoring for Trial Piling and Pipe/Bored Piling Works

Vibration monitoring for trial piling works and pipe/bored piling works is required. The monitoring location is shown in *Annex L*. The vibration monitoring should be conducted for duration of 5 minutes on the days with trial piling works or pipe/bored piling works at each vibration monitoring location.

Vibration Monitoring for Other Construction Works

Vibration monitoring for specific construction works other than demolition works, trial piling works and pipe/bored piling works is also required in accordance with Building Department's requirement. The monitoring location is shown in *Annex M*. The number and location of monitoring location will depend on the location of the specific construction works. The vibration monitoring should be conducted for duration of 5 minutes on a daily basis (working day) at each vibration monitoring location.

Alert, Alarm and Action Levels

The Alert, Alarm and Action (AAA) Levels are to be implemented during the vibration monitoring and shown in *Table 3.4*.

Table 3.4Alert, Alarm and Action (AAA) Levels for Vibration Monitoring

Instrument Type	Item Monitored	Alert Level	Alarm Level	Action Level
Vibration	Horizontal	2.0 mm/s	2.5 mm/s	3.0 mm/s
Monitoring	Movement			

The Event / Action Plan (EAP) for vibration monitoring is shown in Table 3.5.

Table 3.5Event and Action Plan for Vibration Monitoring

Events	Action
Exceedance of Alert Level	Notify Management Contractor
Exceedance of Alarm Level	Notify Authorised Person/ Resident Engineer

Events	Action
Exceedance of Action Level	Cease Works and submit mitigation

3.2.2 *Mitigation Measures*

Cultural heritage mitigation measures (including those for archaeology) in accordance with the EP, EIA and EM&A Manual were implemented by the Contractor and the implementation status is given in *Annex G*.

3.3 LANDSCAPE AND VISUAL MONITORING

In accordance with the EM&A Manual, inspections of affected trees were conducted by an experienced and appropriately trained arborist. All irregularities that deviate from the recommended tree protection measures or could impose deleterious impacts on the protected trees were reported. Besides, implementation of mitigation measures for landscape and visual resources recommended in the EIA Report were also monitored during the site inspection.

3.3.1 *Mitigation Measures*

Landscape and visual mitigation measures in accordance with the EP, EIA and EM&A Manual were implemented by the Contractor and the implementation status is given in *Annex G*.

3.4 Environmental Requirements in Contract Documents

The environmental requirements as specified in the contract documents were reviewed and were covered in the EIA's requirements.

IMPLEMENTATION STATUS ON ENVIRONMENTAL PROTECTION REQUIREMENTS

The Contractor has generally implemented the environmental mitigation measures (including those for archaeology) and requirements as stated in the EIA Report, the EP and EM&A Manual and the contract documents. The implementation status during the reporting period is summarized in *Annex G*.

Status of required submissions under the EP during the reporting period is presented in *Table 4.1*.

Table 4.1Status of Required Submissions

4

Submission		Submission Date
EP Condition		
Condition 3.4	Thirty-ninth Monthly EM&A Report	16 February 2015

5.1 NOISE

A total of 5 sets of 30-minute construction noise measurements were carried out at the monitoring stations (NM2 and NM6) during normal weekdays of the reporting period. The monitoring results together with graphical presentations are presented in *Annex H*. The local impacts observed near the monitoring stations of NM2 and NM6 were summarised below:

- NM2: construction noise from activities in the Project Site and traffic noise from Old Bailey Street.
- NM6: construction noise from activities in the Project Site and traffic noise from Chancery Lane.

No exceedance of the Action or Limit Level of construction noise was recorded during the reporting period.

5.2 CULTURAL HERITAGE

5.2.1 Vibration Monitoring

Trial Piling and Piling works

Vibration monitoring carried out for the trial piling and piling works during the reporting period are listed below:

- 18 vibration monitoring measurements for the basement construction at Parade Ground;
- 18 vibration monitoring measurements at Block 8;
- 18 vibration monitoring measurements at Old Bailey Wing (Block 50);
- 18 vibration monitoring measurements at Block 51; and
- 18 vibration monitoring measurements at Block 17.

The monitoring results are presented in Annex L.

Other Construction Works

Vibration monitoring carried out for other construction works during the reporting period are listed below:

• 18 vibration monitoring measurements for the structural addition and alteration works at Block 1;

- 18 vibration monitoring measurements for the structural addition and alteration works at Block 14;
- 18 vibration monitoring measurements for the structural addition and alteration works at Block 11.

The monitoring results are presented in *Annex M*.

All monitoring results were below the Alert/Alarm/Action Levels.

5.2.2 Heritage Site Audit

Heritage site audits were conducted on 2-6, 9-13, 16-19 and 23-27 February 2015 by the Heritage Checker during the reporting period. The cultural heritage requirements (including the recommended mitigation measures) stated in the approved EIA Report (AEIAR-162/2011) are being carried out. Major observations with respect to the requirements of the contract documents during the site inspections were listed below:

4 February 2015

• Lack of protection was observed for the painted sign in Block 4. The Contractor was informed to follow up.

9 February 2015

• It was observed that the mirrors installed in toilets of Block 1 lower ground floor do not conform with the specification. The Contractor was informed to follow up.

12 February 2015

• It was observed that the worker was repairing render immediately adjacent to un-cleaned granite. However, it was reminded that the granite should be cleaned prior to undertaking render repairs. The Contractor was informed to follow up.

19 February 2015

• It was observed that a window louvre in Block 1 was installed smaller than the opening size. The Contractor was informed to follow up.

27 February 2015

• It was observed that the painted sign "D Hall" to Block 14 was missing. The Contractor was informed to follow up.

The Contractor was urged to follow-up the necessary rectification based on the inspection findings.

The follow-up actions recommended in the heritage site audits from the last reporting period (January 2015) have generally been implemented.

5.3 LANDSCAPE AND VISUAL

The tree inspection was conducted by the arborist on 5 February 2015 and major observations and recommendations in the reporting period are summarised in *Table 5.1*. The tree inspection report is contained in *Annex J*.

Tree No.	Botanical Name	Overall Health Condition	Arborist's Observations / Recommendations
Tree -5	Mangifera indica	Fair	• No further action required.
Tree -6	Aleurites moluccana	Fair	• No further action required.
Tree-7	Aleurites moluccana	Fair	• No further action required.
Tree-8	Plumeria rubra	Fair	• No further action required.
Tree-9	Araucaria cunninghamia	Fair	• No further action required.
Tree-11	Dracaena marginata	Poor	• Withered leaves were observed on the tree;
			• To keep close monitoring on the growth of the tree.

Table 5.1Findings of Monthly Tree Inspection in the Reporting Period

5.4 WASTE MANAGEMENT

Wastes generated from this Project include inert construction and demolition (C&D) materials and non-inert C&D materials. Non-inert C&D materials were made up of wastes such as general refuse. With reference to relevant handling records and trip tickets of this Project, the quantities of different types of waste generated in the reporting period are summarised in *Table 5.2*. The non-inert C&D materials and general refuse generated from the Project were disposed of at the SENT Landfill. 4,120 kg of metals were generated and sent to recyclers for recycling. No plastic waste or paper/cardboard packaging was generated during the reporting period. No chemical waste was produced during the reporting period.

Table 5.2Quantities of Waste Generated from the Project

Month / Year			Q	uantity			
_	C&D	C&D	Chemi	cal Waste	Recyc	led mater	ials
	Materials (inert) ^(a)	Materials (non-inert) ^(b)	Solid	Liquid	Paper / cardboard	Plastics	Metals
February 2015	593.97 tonnes	133.74 tonnes	0 kg	0 L	0 kg	0 kg	4,120 kg

Notes

(a) Inert C&D materials include bricks, concrete, building debris, rubble and excavated soil.

(b) The figure presented under non-inert C&D materials represents quantities of non-recyclable materials such as general refuse which were disposed of at SENT Landfill. Recycled materials are reported separately.

6 ENVIRONMENTAL SITE INSPECTION

Joint environmental site inspection was conducted by the representatives of the Contractor, IEC and the ET in the reporting period on 9 February 2015. There was no non-compliance recorded during the site inspection.

Follow-up Actions for the Last Site Audit

• Nil.

Observations and Recommendations of this Reporting Month

• Nil.

7 ENVIRONMENTAL NON-CONFORMANCE

7.1 SUMMARY OF MONITORING EXCEEDANCE

No exceedance of the Action or Limit Level of construction noise or Alert, Alarm and Action Levels of vibration was recorded during the reporting period.

7.2 SUMMARY OF ENQUIRY

No enquiry was recorded during the reporting period.

7.3 SUMMARY OF ENVIRONMENTAL NON-COMPLIANCE

No non-compliance event was recorded during the reporting period.

7.4 SUMMARY OF ENVIRONMENTAL COMPLAINT

One complaint was received during the reporting period. Information about the complaint is summarised in *Table 7.1*. The Complaint Investigation Report and the cumulative number of complaints are presented in *Annex K*.

Table 7.1Summary of Complaints Received

Date of Complaint Received by the Contractor	Means by which complaint was received	Nature of complaint	
17 February 2015	Environmental Protection Department	Dust nuisance	

7.5 SUMMARY OF ENVIRONMENTAL SUMMONS AND SUCCESSFUL PROSECUTION

No summons was received during the reporting period.

8.1 KEY ISSUES FOR THE COMING MONTH

Works to be undertaken for the coming monitoring period are summarised in *Table 8.1.*

Table 8.1 Construction Works to be Undertaken in the Coming Month

Work to be Undertaken

- Structural addition and alteration works at Blocks 3, 4, 9, 10, 11, 12, 13 and 17;
- Roof repair works at Blocks 8 and 15;
- Balcony repair at Blocks 8, 9 and 10;
- Paint stripping and plaster repair at Blocks 2, 3, 10, 11, and 14;
- Timber doors and windows repair works at Blocks 2, 3, 4, 8, 9, 10, 13, and 14;
- Structural timber floor repair at Blocks 3, 6, 10 and 14;
- Metal works repair at Blocks 3, 11, 12, 13, 14, 15 and 17;
- Façade works at Blocks 2, 3, 4, 8, 9, 10, 12, 13, 14, 15 and 17;
- Arbuthnot Wing structure construction;
- Old Bailey Wing corewall and steel structure construction;
- E&M opening at Blocks 2, 3, 4, 9, 10, 11, 12, 14 and 17;
- E&M installation at Blocks 1, 8 and basement plant room;
- Underground drainage at Blocks 6, 7, 10, 11, 13 and 14;
- R19 and R23 upgrading;
- Site-wide underground services; and
- Road works at Old Bailey Street and Hollywood Road.

Potential environmental impacts arising from the above construction activities are mainly associated with dust, construction noise, site runoff and waste management.

8.2 MONITORING SCHEDULE FOR THE NEXT MONTH

The tentative schedule of noise monitoring for the next reporting period is presented in *Annex D*.

8.3 CONSTRUCTION PROGRAMME FOR THE NEXT MONTH

The most updated construction programme for the Project is presented in *Annex I*.

9 CONCLUSIONS

The *Environmental Monitoring and Audit (EM&A) Report* presents the EM&A works undertaken during the period from 1 to 28 February 2015 in accordance with EM&A Manual and the requirement under EP-408/2011/B.

No exceedance of the Action or Limit Level of construction noise was recorded at designated monitoring stations during the reporting period.

No exceedance of Alert, Alarm and Action Levels of vibration was recorded during the reporting period.

No enquiry was received during the reporting period.

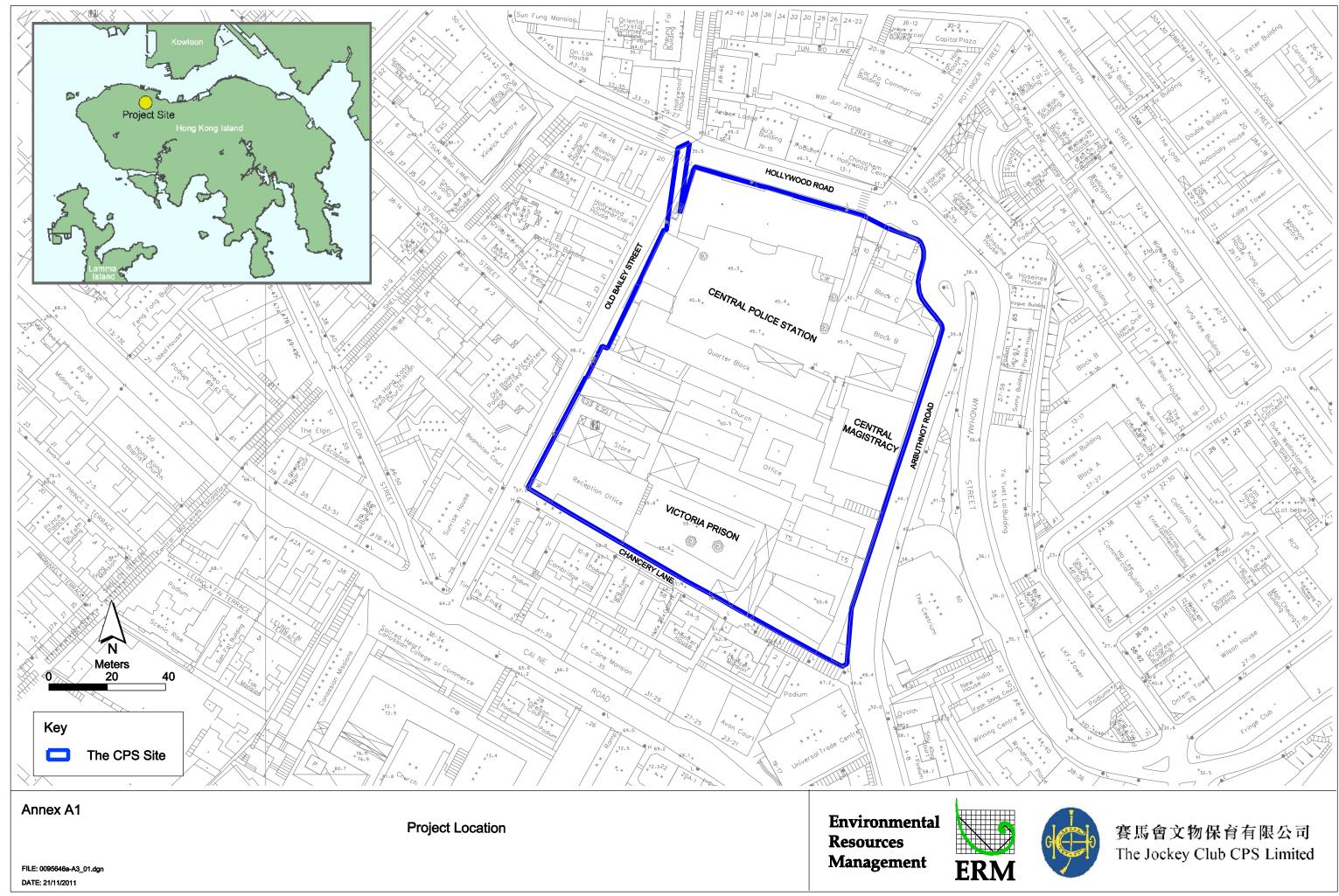
No non-compliance event was recorded during the reporting period.

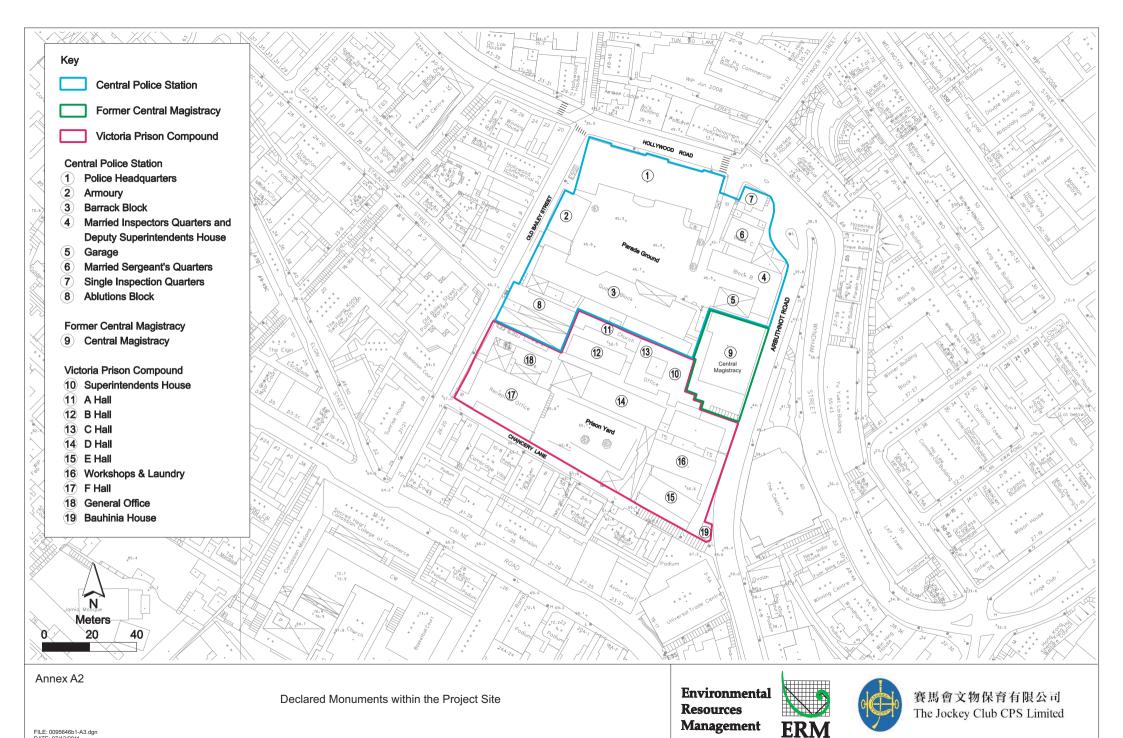
One complaint was received during the reporting period.

No summons/prosecution was received during the reporting period.

The ET will keep track on the EM&A programme to ensure compliance of environmental requirements and the proper implementation of all necessary mitigation measures. Annex A

Locations of Works Areas and the Surroundings





FILE: 0095646b1-A3.dgn DATE: 07/12/2011





- 1. E&M Installation / Opening / Conduit Transformer delivery and installation
- 2. Excavation
- 3. Internal Building Works
- 4. Permanent Steel Works Erection
- 5. Upgrading
- 6. Roof Replacement Works / New Roof / Repair
- 7. Basement Construction
- 8. Structure A&A Works
- 9. Repair Works to Timber Window, Door, Structure, Floor and Metal Elements
- **10. Demolition Works**
- 11. Facade Works / Link Bridage Repair
- **12. New Structure Construction**
- 13. Balcony Repair
- 14. Paint Stripping and Plastering Works
- 15. Core Wall Construction
- 16. Utilities Diversion and Carriageway
- 17. PBR
- 18. Removal of Needle Beams
- 19. U/G Drainage
- 20. Service trench construction
- 21. Demolition of concrete block
- 22. New Balcony Construction

23. Construction of terminal Manhole



賽馬會文物保育有限公司 The Jockey Club CPS Limited

Contractor



Drawing Title

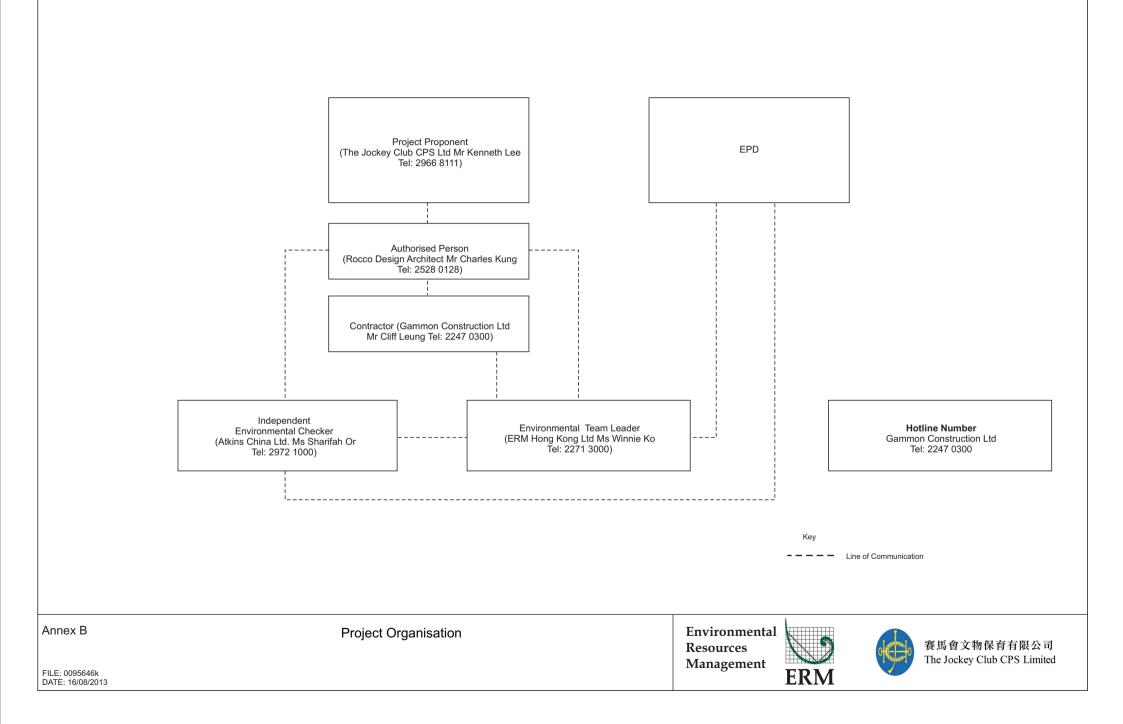
SITE LAYOUT PLAN

Drawn	Scale N.T.S.	
Designed	Status Marked for Enguiry & C	Complaint log
Checked	(CPS/E&C/09)	
Approved	Drawing No.	
CAD Ref		—

LAST_UPDATE

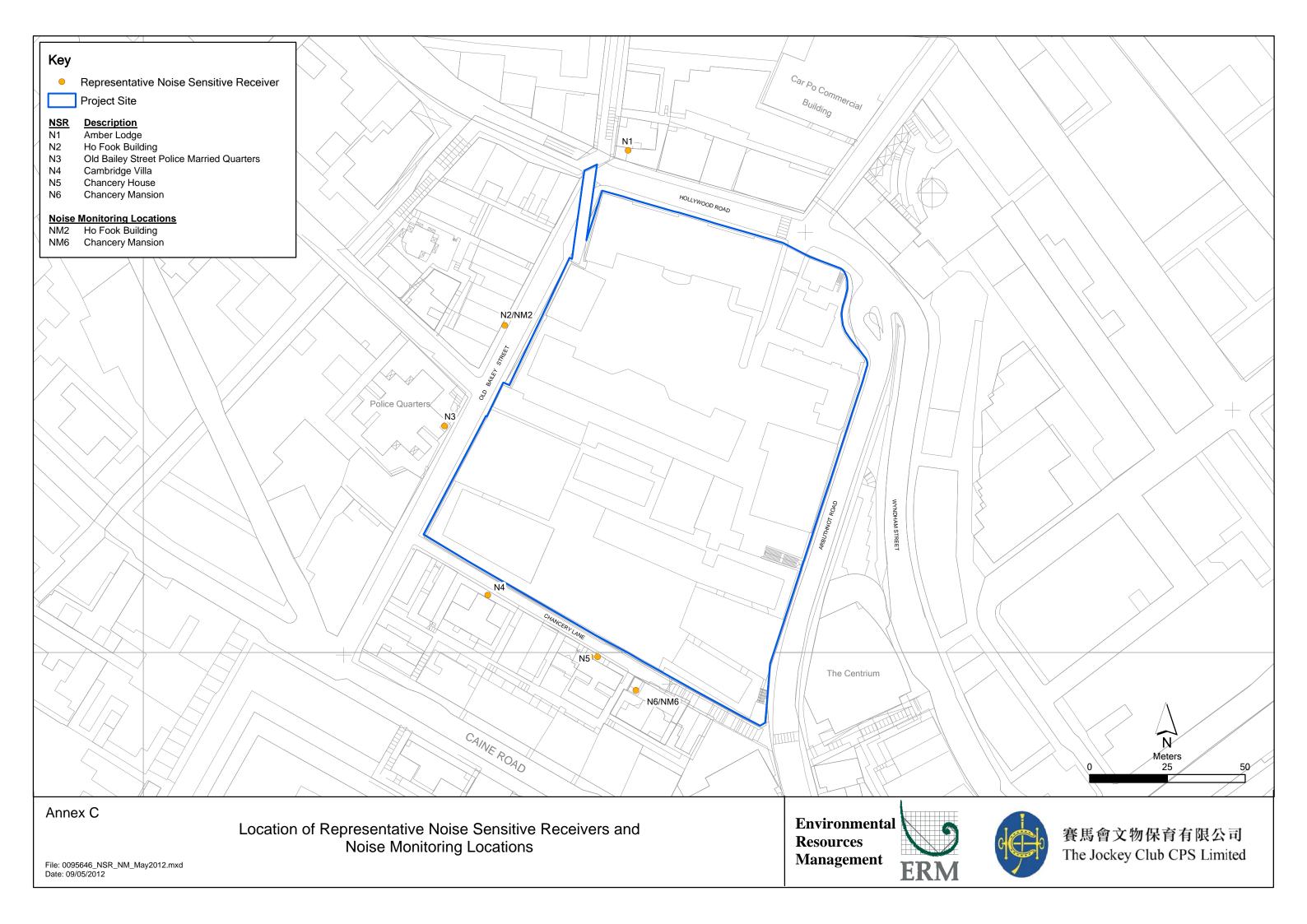
Annex B

Project Organization Chart and Contact Detail



Annex C

Locations of Noise Monitoring Stations and Noise Sensitive Receivers



Annex D

Monitoring Schedule of the Reporting Period and Next Month

Central Police Station Compound Conservation and Revitalisation (Ho Fook Building - NM2 & Chancery Mansion - NM6) Monitoring Schedule for Reporting Month - February 2015

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
01-Feb	02-Feb	03-Feb	04-Feb	05-Feb	06-Feb	07-Feb
				Noise Monitoring at NM2 & NM6		
08-Feb	09-Feb	10-Feb	11-Feb	12-Feb	13-Feb	14-Feb
			Noise Monitoring at NM2 & NM6			
15-Feb	16-Feb	17-Feb	18-Feb	19-Feb	20-Feb	21-Feb
		Noise Monitoring at NM2 & NM6		Public Holiday	Public Holiday	Public Holiday
22-Feb	23-Feb	24-Feb	25-Feb	26-Feb	27-Feb	28-Feb
	Noise Monitoring at NM2 & NM6				Noise Monitoring at NM2 & NM6	

Central Police Station Compound Conservation and Revitalisation (Ho Fook Building - NM2 & Chancery Mansion - NM6) Monitoring Schedule for Next Reporting Month - March 2015

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
01-Mar	02-Mar	03-Mar	04-Mar	05-Mar	06-Mar	07-Mar
				Noise Monitoring at NM2 & NM6		
08-Mar	09-Mar	10-Mar	11-Mar	12-Mar	13-Mar	14-Mar
			Noise Monitoring at NM2 & NM6			
15-Mar	16-Mar	17-Mar	18-Mar	19-Mar	20-Mar	21-Mar
		Noise Monitoring at NM2 & NM6				
22-Mar	23-Mar	24-Mar	25-Mar	26-Mar	27-Mar	28-Mar
	Noise Monitoring at NM2 & NM6					Noise Monitoring at NM2 & NM6
29-Mar	30-Mar	31-Mar				

Annex E

Calibration Reports for Calibrators and Sound Level Meters



5

輝創工程有限公司

Sun Creation Engineering Limited

Calibration and Testing Laboratory

Certificate of Calibration 校正證書

Certificate No.: C147473 證書編號

	ITEM TESTED / 送檢項目 Description / 儀器名稱 : Manufacturer / 製造商 : Model No. / 型號 : Serial No. / 編號 : Supplied By / 委託者 :	 (Job No. / 序引編號: IC14-3079) Acoustic Calibrator Casella CEL-120/1 3421612 Envirotech Services Co. Shop 6, G/F., Casio Mansion, 209 Shat Hong Kong 	Date of Receipt / 收件日期:5 De	cember 2014
-	TEST CONDITIONS / 測語 Temperature / 溫度 : (2 Line Voltage / 電壓 :	$(3 \pm 2)^{\circ}C$	Relative Humidity / 相對濕度 :	(55 ± 20)%
-	TEST SPECIFICATIONS Calibration check	/ 測試規範		

DATE OF TEST / 測試日期 : 14 December 2014

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only. All results are within manufacturer's specification. The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

- Agilent Technologies / Keysight Technologies
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA

Tested By 測試	:(K O Lee Project Engineer			
Certified By 核證	:	K K Wong Engineer	Date of Issue 簽發日期	:	17 December 2014

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗所書面批准。



Sun Creation Engineering Limited

Calibration and Testing Laboratory

Certificate of Calibration 校正證書

Certificate No. : C147473 證書編號

- 1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.
- 2. The results presented are the mean of 3 measurements at each calibration point.
- 3. Test equipment :

Equipment ID	Description	Certificate No.
CL130	Universal Counter	C143868
CL281	Multifunction Acoustic Calibrator	DC130171
TST150A	Measuring Amplifier	C141558

- 4. Test procedure : MA100N.
- 5. Results :
- 5.1 Sound Level Accuracy

UUT Nominal Value	Measured Value (dB)	Mfr's Spec. (dB)	Uncertainty of Measured Value (dB)
94 dB, 1 kHz	94.0	± 0.25	± 0.2
114 dB, 1 kHz	114.1		

5.2 Frequency Accuracy

UUT Nominal Value	Measured Value	Mfr's	Uncertainty of Measured Value
(kHz)	(kHz)	Spec.	(Hz)
.1	1.000 0	$1 \text{ kHz} \pm 5 \text{ Hz}$	± 0.1

Remark : The uncertainties are for a confidence probability of not less than 95 %.

Note :

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

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

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Sun Creation Engineering Limited

Calibration and Testing Laboratory

Certificate of Calibration 校正證書

Certificate No. : C147474 證書編號

ITEM TESTED / 送檢項目 Description / 儀器名稱 : Manufacturer / 製造商 : Model No. / 型號 : Serial No. / 編號 : Supplied By / 委託者 :	(Job No. / 序引編號: IC14-3079) Sound Level Meter Casella CEL-633A 3521757 Envirotech Services Co. Shop 6, G/F., Casio Mansion, 209 Shaw Hong Kong	Date of Receipt / 收件日期: 5 December 2014 ukeiwan Road,
TEST CONDITIONS / 測記 Temperature / 溫度 : (23 Line Voltage / 電壓 :		Relative Humidity / 相對濕度 : (55 ± 20)%
TEST SPECIFICATIONS	/ 測試規範	
DATE OF TEST / 測試日期	月 : 14 December 2014	
	cular unit-under-test only. cturer's specification.	

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

- Agilent Technologies / Keysight Technologies
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA

Tested By 測試	: K C Lee Project Engineer		
Certified By 核證	: <u>k</u> K K Wong Engineer	Date of Issue : 簽發日期	17 December 2014

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

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Sun Creation Engineering Limited

Calibration and Testing Laboratory

Certificate of Calibration 校正證書

Certificate No. : C147474 證書編號

- 1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours, and switched on to yarm up for over 10 minutes before the commencement of the test.
- 2. Self-calibration using the Casella Acoustic Calibrator CEL-120/1, S/N : 3421612 was performed before the test.
- 3. The results presented are the mean of 3 measurement at each calibration point.
- 4. Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C140016
CL281	Multifunction Acoustic Calibrator	DC130171

- 5. Test procedure : MA101N.
- 6. Results :
- 6.1 Sound Pressure Level
- 6.1.1 Reference Sound Pressure Level

UUT	Setting	Applie	d Value	UUT	IEC 61672 Class 1
Time Weighting	Frequency Weighting	Level (dB)	Freq. (kHz)	Reading (dB)	Spec. (dB)
L _F	A	114.00	1	113.9	± 1.1

6.1.2 Linearity

UUT	Setting	Applie	d Value	UUT
Time Weighting	Frequency Weighting	Level (dB)	Freq. (kHz)	Reading (dB)
L _F	A	114.00	1	113.9 (Ref.)
		104.00		103.9
		94.00		93.9

IEC 61672 Class 1 Spec. : \pm 0.6 dB per 10 dB step and \pm 1.1 dB for overall different.

6.2 Time Weighting

UUT Setting Applied Value		ting Applied Value		UUT	IEC 61672 Class 1
Time Weighting	Frequency Weighting	Level (dB)	Freq. (kHz)	Reading (dB)	Spec. (dB)
L _F	A	114.00	1	113.9	Ref.
Ls				113.9	± 0.3
L				113.9	

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

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Sun Creation Engineering Limited – Calibration & Testing Laboratory c/o 4/F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong 輝創工程有限公司 – 校正及檢測實驗所 c/o 香港新界屯門興安里一號青山灣機樓四樓 Tel.電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com



Sun Creation Engineering Limited

Calibration and Testing Laboratory

Certificate of Calibration 校正證書

Certificate No. : C147474 證書編號

6.3 Frequency Weighting

6.3.1 'A-Weighting

UUT	Setting	App	lied Value	UUT	IEC 61672 Class 1
Time Weighting	Frequency Weighting	Level (dB)	Freq.	Reading (dB)	Spec. (dB)
L _F	A	94.00	63 Hz	87.6	-26.2 ± 1.5
· ·			125 Hz	97.7	-16.1 ± 1.5
			250 Hz	105.2	-8.6 ± 1.4
			500 Hz	110.6	-3.2 ± 1.4
			1 kHz	113.9	Ref.
			2 kHz	115.1	$+1.2 \pm 1.6$
			4 kHz	114.7	$+1.0 \pm 1.6$
			8 kHz	112.4	-1.1(+2.1;-3.1)
			12.5 kHz	108.3	-4.3(+3.0;-6.0)

6.3.2 C-Weighting

UUT	Setting	App	lied Value	UUT	IEC 61672 Class 1
Time Weighting	Frequency Weighting	Level (dB)	Freq.	Reading (dB)	Spec. (dB)
L _F	C	94.00	63 Hz	113.0	-0.8 ± 1.5
			125 Hz	113.7	-0.2 ± 1.0
			250 Hz	113.8	0.0 ± 1.0
			500 Hz	113.9	0.0 ± 1.0
			1 kHz	113.9	Ref.
			2 kHz	113.7	-0.2 ± 1.0
			4 kHz	112.9	-0.8 ± 1.0
			8 kHz	110.5	-3.0 (+1.5 ; -3.0)
			12.5 kHz	106.4	-6.2 (+3.0 ; -6.0)

Remarks : - UUT Microphone Model No. : CEL-251 & S/N : 1950

- Mfr's Spec. : IEC 61672 Class 1

Uncertainties of Applied Value :	1 kHz 2 kHz - 4 kHz 8 kHz 12.5 kHz	: $\pm 0.45 \text{ dB}$: $\pm 0.40 \text{ dB}$: $\pm 0.30 \text{ dB}$: $\pm 0.45 \text{ dB}$: $\pm 0.55 \text{ dB}$: $\pm 0.80 \text{ dB}$
	: 1 kHz : 1 kHz	: ± 0.10 dB (Ref. 114 dB) : ± 0.10 dB (Ref. 114 dB)

- The uncertainties are for a confidence probability of not less than 95 %.

Note :

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

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

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Annex F

Event / Action Plans for Noise

Annex F Event and Action Plan for Noise

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

Annex G

Summary of Implementation Status

Annex G Implementation Schedule for Environmental Protection Measures

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
Cultur	al Herita	ge			
S3.9.1	S3.2.6	Subject to the outcome of the archaeological investigation, if archaeological deposits are identified to be impacted by the proposed development, appropriate mitigation measures will be recommended and agreed with AMO.	In accordance with the recommendations in the Archaeological Action Plan (AAP) issued on 21 Dec 11 and approved on 30 Dec 11 by AMO	During detailed design and construction	No field work in the reporting month.
S3.9.2	S3.3.1	<u>Vibration Monitoring</u> A baseline condition survey and baseline vibration impact will be conducted by a specialist for the approval of AMO and Buildings Department prior to commencement of the construction works to define the vibration control limits and recommend a vibration monitoring proposal for the concerned historic buildings and structures in and outside CPS for AMO's prior approval before commencement of the construction works.	Historic buildings and structures in CPS, the granite walls at Old Bailey Street and the proposed Grade 3 historic building (No. 20 Hollywood Road)	During detailed design and construction	V
S3.9.2	S3.3.3	<u>Compliance of the Approved Measures and Auditing</u> Staff training by an experience building conservation expert or relevant competent person(s) in the environmental team of the project should be provided to the on-site staffs, contractors, sub-contractors and workers of the project before commencement of works to ensure their full understanding of the approved protection schedule, restoration proposal and work methodologies related to cultural heritage, and their respective responsibilities in the implementation of the environmental protection measures. Regular site audit for cultural heritage should be carried out in the construction phase by an experience building conservation expert in the environmental team ("the Heritage Checker") to investigate the site practice of the contractors and workers and their compliance of the approved work methodologies with respect of conservation works, mitigations for cultural heritage and any related works. A detailed	Whole site	Prior to and during construction	

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
		proposal of the regular audit such as methodology (e.g. performance and monitoring indicators, control tools, frequency of the audit, etc.) and the conservation professionals to be engaged should be agreed with AMO prior to work commencement.			
		AMO and report the compliance and effectiveness of the mitigation measures for cultural heritage.			
S3.9.3	S3.3.4	<u>Archival Recording</u> An archival recording should be conducted to provide a detailed reference for the update of the Conservation Management Plan and inventory of historical features of the monuments, the preparation of as- built drawings showing the condition of the historic buildings and structures after the completion of the construction works. These archival records will be a reference source for future maintenance of the character defining elements, conservation of the monuments, interpretation and conservation education of the Site. The archival recording shall include but not limit to the video and photographic recording on the detailed process of the repair trials for different kinds of historical features, conservation works of character defining elements and historic fabrics of the monuments, and a written records of any new changes to the detailed design made in the construction phase illustrate with photos and drawings. A full set of the archives records (including both hard and soft copies) should be submitted to the AMO for approval after the work completion for record purpose. Any new findings related to the conservation of built heritage in the Site identified during the detailed design stage and construction phases shall be properly recorded in details for notification to the AMO and update of the Conservation Management Plan.	Whole Site	During detailed design, construction and prior to operation	N/A – Archival recording will be conducted at later stage.
S3.7.3	-	<u>General Construction Methods</u> Prior to the commencement of the modification/refurbishment works at	Whole site	During construction	\diamond
		an existing building or structure (e.g. masonry walls near the Old Bailey Wing), a site survey will be carried out by the design team, and all building dimensions and levels of the building/structure shown will be		consu action	

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
53.7.1 & 3.7.2	-	checked and confirmed by the contractor. Non-percussive piling methods will be adopted for the construction of the foundation for the new buildings. Protective and precaution measures to the existing buildings and structure adjacent to the work area (including the proposed Grade 3 historic building (No. 20 Hollywood road) and the granite boundary walls between the Ablutions Block of the police station (building no. 08) and the General Office of the prison area (building no. 18) which is adjacent to the new construction of the Old Bailey Wing and for an old granite walls at Old Bailey Street within 15m from the new construction) shall be provided to avoid damage to the existing features and to safeguard the structural integrity during the course of construction. Small scale handheld pneumatic tools with minimal vibration impact to the existing buildings / structures are selected so as to have a better logistic and handling at the existing buildings and structures, which usually have only narrow working areas. In cases of the local demolition of structural elements, demountable platforms will be erected to temporarily support the affected area and divert the loading from above to avoid instability and create excessive cracking and settlement of the building/structure. Implementation and update of the Conservation Management Plan (CMP). Any new findings related to the conservation of the built heritage in the site identified during the detailed design and construction stage shall be properly recorded in details for the notification to the AMO and update in the CMP. After the construction, a cartographic and photographic recording on the restored historic buildings, historic features and the site shall be conducted and the following records shall be included into the CMP as appendices for updating and record purpose: • one set of measured drawings and photographic records showing the as-built condition of historic buildings and structures; and • an updated inventory list of the historic features together with the c	Whole site	During detailed design, construction, post- construction and operation	√ - CMP was implemented during the reporting month. There were no updates for the CMP.

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
Landsca	ipe & Visi	ıal			
S4.7.27		<u>In-situ Tree Protection - Cordon Zone (CZ)</u> Cordon off each tree along its drip line (below the crown) with a chain- link fencing of 2.5 m height with padlocked gate, allowing limited access to area only to authorized persons. The base of the perimeter fence will be sealed up to 30 cm height to ensure that no construction drainage water will enter. If grouting is to be conducted less than 5 m from the edge of the CZ, a waterproof membrane will be installed below the ground to a depth of 1.5 m on the outer edge of the CZ to prevent the subsurface lateral movement of contaminated construction wastewater from intruding the soil inside the CZ.	Whole site	During construction	 √ - Part of the cordon zone of Tree-5 has been used as a worker storage room. The Contractor was recommended to pay utmost attention to potential land pollution at the worker storage room at all times. Scaffolding has been set up close to Tree-5 within the cordon zone. The Contractor was reminded to perform proper measures to protect Tree-5 during the carrying out of works within the cordon zone.
S4.7.2	-	<u>In-situ Tree Protection - Advanced & Phased Root Pruning</u> All edges of the CZ that will be affected by excavation will undergo root pruning by a trained arborist or horticulturist, in advance of the earth work. The entire affected length of the CZ, plus 3 m additional length at both ends, shall be designated as the root pruning segment (RPS). The require trench will be opened manually in the RPS, be 1.5 m deep and 1 m wide, and closed on the same day after pruning with a good soil mix. All roots with a diameter >20 mm encountered in the course of trench opening shall be cut flushed with the inner wall of the trench. If the RPS exceeds one-quarter of the CZ circumference, the root pruning should be conducted in two stages. Each phase will tackle half of the RPS length. After the first phase, the tree will be allowed to recuperate for not less than four months before the second phase root pruning is conducted. The RPS shall be protected by sheet piles along the outer edge. The rig that installs the piles and the associated operations shall not intrude into the CZ or injure the protected tree.	Whole site	During construction	N/A – no root pruning has been conducted yet
S4.7.2	-	<u>In-situ Tree Protection - Foliage cleansing system</u> A sprinkler cleansing system will be installed either in the crown of the tree or at a suitable location on an adjacent building to provide the	Whole site	During construction	\checkmark

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
		means to wash the foliage of the accumulated dust when necessary,			
		particularly in the dry season.			
S4.7.2	S4	In-situ Tree Protection - Monthly inspection	Whole site	During construction	\checkmark
		Monthly inspection of affected trees by an experienced and appropriately trained arborist or horticulturist using Form 1 – Tree Group Inspection Form and Form 2 – Tree Risk Assessment Form developed by Development Bureau (<i>http://www.trees.gov.hk/en/doc/TRAGuideline_July2010version_combine.pdf</i>) or a form designed by a tree expert and approved by Tree Management Office. All irregularities that deviate from the recommended tree protection measures, or could impose deleterious impacts on the protected trees, must be reported to the authorized person or the tree expert within two days.			
S4.7.2	-	<u>Light Control</u> Control of night-time lighting shall be implemented to minimise impact to adjacent VSRs.	Whole site	During construction and operation	\checkmark
S4.7.2	S4	Compensatory Tree Planting A new planting site has been identified for compensatory tree planting in the Parade Ground. The planting is to compensate for felling of T10. The existing tree site will be enlarged to become a wide tree strip to accommodate at least six trees. The entire strip of land that accommodates T1 to T4 should be revamped to improve the soil condition for future tree growth. The new tree strip should be 4 m wide and covered by porous unit pavers to permit the entry of rain and irrigation water and air exchange between the soil and the atmosphere. The unit pavers should be supported by small columns to create a vault-like structure so as to avoid compaction of the underlying soil due to pedestrian trampling. The unit pavers will be movable to provide access to the soil underneath so that fertilizers and conditioners could be added on a	At identified compensatory tree planting location at the Parade Ground	During detailed design and construction	N/A – Compensatory Tree Planting will be conducted at later stage.

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
		regular basis. The air conditioner unit currently located near the proposed planting site should also be removed. This new tree planting site should also be provided with proper irrigation.			
		Pursuant to the "Environment, Transport and Works Bureau Technical Circular (Works) No. 3/2006 Tree Preservation", the compensation ratio should preferably be 1:1 according to trunk girth. T10 has a DBH of 20 cm (<i>Table 4.3</i>), and it is proposed that six trees of heavy standard size be planted, each with a DBH of around 10 cm and root balls of not less than 0.75 m diameter and 0.75 m depth,. Since the aggregate DBH of the new trees would be 60 cm, the rate of compensation is equivalent to three times the DBH of T10, far beyond the requirements			
		The six replacement trees should be planted in the new tree strip in two staggered rows, maximising distance between each tree to avoid mutual interference in the future. It is recommended that the species selected should have a small final dimension of less than 10 m height given the proximity to built structures such as the retaining wall and buildings. Two each of the outstanding and related flowering tree species connected to local natural history are suggested::			
		 Bauhinia 'Blakeana' a native evergreen species with deep mauve flowers and an exceptionally long flowering period from late autumn to early spring. 			
		 Bauhinia purpure, a native evergreen with lighter purple flowers from late autumn to early winter. 			
		 Bauhinia variegata, an exotic deciduous species, with pale pinkish flowers in spring to early summer often when the tree has little or no leaves. 			
S4.7.2	S4	Vertical Greening	Inner Southern Wall	During detailed design and construction	N/A – No vertical greening was conducted during the reporting month.
		Within the limitations of the conservation of the CPS character, greening of vertical structures should be provided where possible.		construction	
		As such it is recommended that the inner southern wall of the Site be planted as a green wall. The plantings should be inserted in between each of the large protruding piers and an offset be made from both the			

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
		top and bottom edge so that old and new are equally visible. An independent frame should be strategically positioned in order to ensure minimal disturbance to the original wall, and provide the main structural support and planting surface for the green wall. The frame on to which the new green will be planted should contain its own irrigation system so that moisture for the plants will remain mainly on the planting surface and not the exiting wall behind. The planting chosen should be appropriate to the Hong Kong climate, requiring relatively little maintenance to sustain the quality of both plants and wall.			
S4.7.2	-	<u>New Custom Paving</u> New, Patterned, High Quality, Concrete Custom Pavers should replace most of the existing paving in the open spaces.	Whole site	During detailed design and construction	N/A – No custom paving was conducted during the reporting month.
S4.7.2	S4	<u>In-situ Tree Protection - Quarterly inspection</u> Quarterly Inspection of affected and newly planted trees by an experienced and appropriately trained arborist or horticulturist using Form 1 – Tree Group Inspection Form and Form 2 – Tree Risk Assessment Form developed by Development Bureau (http://www.trees.gov.hk/en/doc/TRAGuideline_July2010version_combine.pdf) or a form designed by a tree expert and approved by Tree Management Office for a period of 12 months after construction.	Whole site	During post construction and operation	N/A – The quarterly inspection will be conducted at later stage.
Noise			•		
<i>S5.9</i>	-	 The following site practices should be followed during the construction of the Project: Only well-maintained plant will be operated on-site and plant will be serviced regularly during the construction phase; Silencers or mufflers on construction equipment will be utilised and will be properly maintained during the construction phase; Mobile plant, if any, will be sited as far away from NSRs as possible; 	Whole Site	During construction	\checkmark

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
		 Machines and plant (such as trucks) that may be in intermittent use will be shut down between work periods or will be throttled down to a minimum; Plant known to emit noise strongly in one direction will, wherever possible, be orientated so that the noise is directed away from the nearby NSRs; and Material stockpiles and other structures will be effectively utilised, wherever practicable, in screening noise from on-site construction activities. 			
<i>\$5.9</i>	-	Noise insulating sheet would be adopted for certain PME (eg drill rig, excavator for demolition of existing structures, etc). The noise insulating sheet should be deployed such that there would be no opening or gaps on the joints.	Whole Site	During construction	\checkmark
<i>S5.9</i>	-	Use temporary noise barriers to mitigate the noise impact arising from the construction works, particularly for low-rise NSRs. Movable noise barriers of 3 m in height with skid footing should be used and located within a few metres of stationary plant and mobile plant such that the line of sight to the NSR is blocked by the barriers. The length of the barrier should be at least five times greater than its height. The noise barrier material should have a superficial surface density of at least 7 kg m ⁻² and have no openings or gaps.	Whole Site	During construction	√
<i>S5.9</i>	-	Use quiet PME as far as practicable to mitigate the construction noise impact.	Whole Site	During construction	\checkmark
<i>S5.9</i>	-	Scheduling of construction activities with identified grouping of PMEs.	Whole Site	During construction	\checkmark
S5.11	S5	Weekly noise monitoring will be undertaken at the representative NSRs N2 Ho Fook Building and N5 Chancery House. Monthly site audits will be conducted to ensure that the recommended mitigation measures are properly implemented during the construction stage.	Whole Site	During construction	V
Air Qu	ality				
S6.8.1	-	Dust control measures stipulated in the <i>Air Pollution Control</i> (<i>Construction Dust</i>) <i>Regulation</i> will be implemented during the construction phase to control the potential fugitive dust emissions.	Whole Site	During construction	\checkmark

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
S6.8.1	-	In particular: Temporary stockpiles of dusty materials will be either covered entirely by impervious sheets; placed in an area sheltered on the top and three sides; or sprayed with water to maintain the entire surface wet at all the time.	Whole Site	During construction	V
S6.8.1	-	Impervious sheet will be provided for skip hoist for material transport.	Whole Site	During construction	\checkmark
S6.8.1	-	Vehicle washing facilities will be provided at the designated vehicle exit points.	Whole Site	During construction	\checkmark
S6.8.1	-	Every vehicle will be washed to remove any dusty materials from its chassis and wheels immediately before leaving the worksite.	Whole Site	During construction	\checkmark
S6.8.1	-	Road sections between vehicle-wash areas and vehicular entrances will be paved.	Whole Site	During construction	\checkmark
S6.8.1	-	The load carried by the trucks will be covered entirely to ensure no dust emission from the vehicles.	Whole Site	During construction	√
S6.8.1	-	Hoarding of not less than 2.4m high from ground level will be provided along the Project Site boundary adjoining a road where the new buildings (Old Bailey Wing and Arbuthnot Wing) will be constructed.	Whole Site	During construction	√
S6.8.1	-	Stockpiles of more than 20 bags of cement, dry pulverised fuel ash and dusty construction materials will be covered entirely by impervious sheeting sheltered on top and 3-sides.	Whole Site	During construction	\checkmark
S6.8.1	-	An effective dust screen will be provided to enclose scaffolding, if required, from the ground floor level of building for construction of superstructure of the new buildings.	Whole Site	During construction	\checkmark
S6.8.1	-	Impervious dust screen or sheeting will be implemented for demolition of structures and renovation of outer surfaces of structures that abuts or fronts open area accessible to the public to no less than 1m higher than the highest level of the structure being demolished.	Whole Site	During construction	√
S6.8.1	-	The area at which demolition work takes place will be sprayed with water or dust suppression chemical immediately prior to, during and immediately after the demolition activity.	Area for Demolition Work	During construction	√

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
S6.8.1	-	ULSD will be used for all construction plant on-site.	Whole Site	During construction	\checkmark
S6.8.1	-	The engine of the construction equipment or trucks during idling will be switched off.	Whole Site	During construction	\checkmark
S6.8.1	-	Site practices such as regular maintenance and checking of construction equipment deployed on-site will be conducted to avoid any black smoke emissions and to minimise gaseous emissions.	Whole Site	During construction	N/A – Not observed.
S6.10	S3.2	Monthly environmental site audits to ensure that appropriate dust control measures are properly implemented and good construction site practices are adopted throughout the construction period.	Whole Site	During construction	\checkmark
Water (Quality			1	
S7.6	-	Channels, earth bunds or sand bag barriers will be provided on site to direct stormwater to silt removal facilities. The design of silt removal facilities will make reference to the guidelines in <i>Appendix A1</i> of <i>ProPECC PN 1/94</i> . All drainage facilities and erosion and sediment control structures will be inspected on a regular basis and maintained to confirm proper and efficient operation at all times and particularly during rainstorms. Deposited silt and grit will be removed regularly.	Whole Site	During construction	\checkmark
S7.6	-	All drainage facilities and erosion and sediment control structures will be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rainstorms. Deposited silt and grit will be removed regularly and disposed of.	Whole Site	During construction	N/A – Not observed.
S7.6	-	Measures will be taken to reduce the ingress of stormwater into excavation areas. If the excavation of the concrete foundation is to be carried out in wet season, they will be dug and backfilled in short sections wherever practicable. Water pumped out from trenches or foundation excavations will be discharged into stormwater drains via silt removal facilities.	Whole Site	During construction	N/A – Not observed.
S7.6	-	Open stockpiles of excavated and demolition materials will be covered with tarpaulin or similar fabric during rainstorms. Measures will be taken to prevent the washing away of residues, chemicals or debris into any drainage system.	Whole Site	During construction	\checkmark

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
S7.6	-	Manholes (including newly constructed ones) will always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system.	Whole Site	During construction	N/A – Not observed.
S7.6	-	Precautions will be taken when a rainstorm is imminent or forecasted, and actions to be taken during or after rainstorms are summarised in Appendix A2 of <i>ProPECC PN 1/94</i> . Particular attention will be paid to the control of silty surface runoff during storm events.	Whole Site	During construction	N/A – Not observed.
S7.6	-	All temporary and permanent drainage pipes and culverts provided to facilitate runoff discharge will be adequately designed for the controlled release of stormwater flows. All sediment traps will be regularly cleaned and maintained. The temporary diverted drainage will be reinstated to the original condition when the construction work has finished or the temporary diversion is no longer required.	Whole Site	During construction	N/A – Not observed.
S7.6	-	Vehicle and plant servicing areas, vehicle washing bays and lubrication bays will, as far as possible, be located within roofed areas. The drainage in these covered areas will be connected to foul sewers via a petrol interceptor.	Whole Site	During construction	N/A – Not observed.
S7.6	-	Oil leakage or spillage will be contained and cleaned up immediately. Waste oil will be collected and stored for recycling or disposal.	Whole Site	During construction	N/A – Not observed.
S7.6	-	Waste streams classifiable as chemical wastes will be properly stored, collected and treated.	Whole Site	During construction	\checkmark
S7.6	-	All fuel tanks and chemical storage areas will be provided with locks and be sited on paved areas.	Whole Site	During construction	\checkmark
S7.6	-	The storage areas will be surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank to prevent spilled oil, fuel and chemicals from reaching the receiving waters.	Whole Site	During construction	۸
S7.6	-	The Contractors will prepare guidelines and procedures for immediate clean-up actions following any spillages of oil, fuel or chemicals.	Whole Site	During construction	\checkmark

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
S7.6	-	Surface runoff from bunded areas will pass through oil/grease traps prior to discharge to the stormwater system	Whole Site	During construction	N/A – Not observed.
S7.6	-	The stormwater discharge from the site will be monitored as part of the routine monitoring under the WPCO licence, if applicable.	Whole Site	During construction	N/A – Not observed.
S7.6	-	The existing toilet facilities of the CPS will be available to the construction workforce. The sewage will be discharged to the public sewer.	Whole Site	During construction	\checkmark
S7.8	S5.2	Monthly site audits of the works areas will be carried out during the construction phase to monitor the environmental performance of the Project and to enable prompt actions to rectify any malpractice which may give rise to water pollution problem.	Whole Site	During construction	\checkmark
Waste I	Manageme	nt			
S8.5	S6.3.1 & Table 6.1	<u>General</u> The Contractor shall apply for and obtain all the necessary waste disposal permits or licences are obtained prior to the commencement of the construction works.	Whole Site	During construction	\checkmark
S8.5	-	<u>Management of Waste Disposal</u> The construction contractor will open a billing account with the EPD. Every construction waste or public fill load to be transferred to the Government waste disposal facilities such as public fill reception facilities, sorting facilities, landfills will require a valid "chit" which contains the information of the account holder to facilitate waste transaction recording and billing to the waste producer.	Whole Site	During construction	N
S8.5	S6.2	A trip-ticket system will also be established to monitor the disposal of construction waste at landfill and to control fly-tipping. The trip-ticket system will be included as one of the contractual requirements and implemented by the contractor.	Whole Site	During construction	√

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
S8.5	S6 & Table 6.1	A recording system for the amount of wastes generated/recycled and disposed of will be established during the construction phase.	Whole Site	During construction	√
S8.5	S6.3	<u>Reduction of Construction Waste Generation</u> C&D material will be segregated on-site into public fill and construction waste and stored in different containers or skips to facilitate reuse of the public fill and proper disposal of the construction waste. Specific areas of the work site will be designated for such segregation and storage if immediate use is not practicable.	Whole Site	During construction	\checkmark
S8.5	S6	<u>Chemical Waste</u> The contractor will register as a chemical waste producer with the EPD.	Whole Site	During construction and operation	\checkmark
S8.5	S6	 Containers used for storage of chemical waste shall: Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; Have a capacity of less than 450 L unless the specifications have been approved by the EPD; and Display a label in English and Chinese in accordance with instructions prescribed in <i>Schedule 2</i> of the <i>Regulations</i>. 	Whole Site	During construction and operation	\checkmark
S8.5	S6	 Storage areas for chemical waste shall: Be clearly labelled and used solely for the storage of chemical waste; Be enclosed on at least 3 sides; Have an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in that area, whichever is the greatest; Have adequate ventilation; Be covered to prevent rainfall entering (water collected within the bund must be tested and disposed of as chemical waste, if necessary); and Be arranged so that incompatible materials are appropriately separated. 	Whole Site	During construction and operation	\checkmark

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
S8.5	S6	A licensed contractor shall be employed to collect chemical waste for delivery to a licensed treatment facility.	Chemical Waste Treatment Centre at Tsing Yi	During construction and operation	\checkmark
S8.5	S6 & Table 6.1	<u>General Refuse</u> General refuse will be stored in enclosed bins separately from construction and chemical wastes. The general refuse will be delivered to the transfer station, separately from construction and chemical wastes, on a daily basis to reduce odour, pest and litter impacts.	Whole site	During construction	\checkmark
S8.5	S6	Recycling bins will be provided at strategic locations to facilitate recovery of aluminium can and waste paper from the Site. Materials recovered will be sold for recycling.	Whole site	During construction and operation	\checkmark
S8.5	S6	<u>Staff Training</u> At the commencement of the construction works, training will be provided to workers on the concepts of site cleanliness and on appropriate waste management procedures, including waste reduction, reuse and recycling.	Whole site	Commencement of construction	\checkmark
S8.7	S6.1 & 6.3	Monthly audits of the waste management practices will be carried out during the construction phases to determine if wastes are being managed in accordance with the recommended good site practices. The audits will examine all aspects of waste management including waste generation, storage, recycling, transport and disposal.	Whole site	During construction	√

Remark:

 $\sqrt{}$ Compliance of Mitigation Measures

<> Compliance of Mitigation but need improvement

x Non-compliance of Mitigation Measures

▲ Non-compliance of Mitigation Measures but rectified by Gammon Construction Ltd

Δ Deficiency of Mitigation Measures but rectified by Gammon Construction Ltd

N/A Not Applicable in Reporting Period

Annex H

Noise Monitoring Results

Annex H Noise Monitoring Results

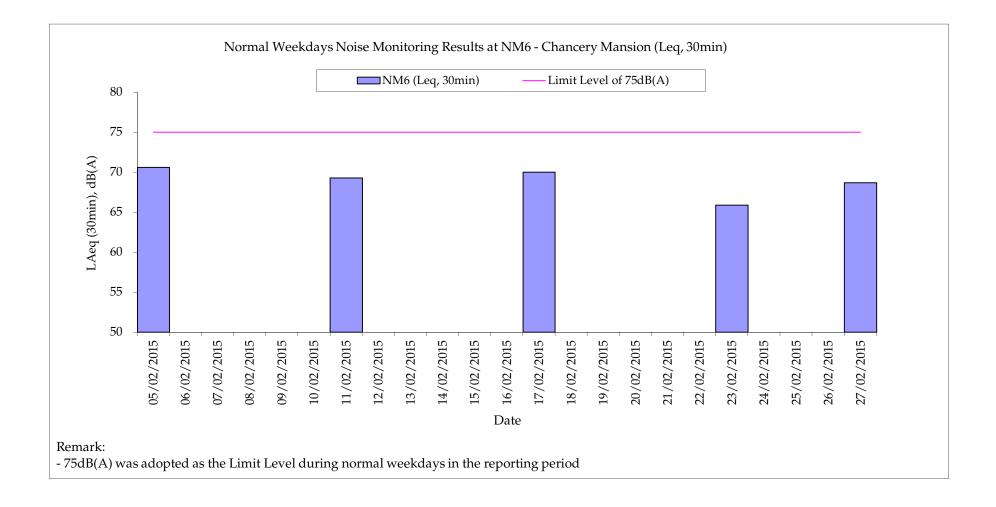
Daytime Noise Monitoring Results

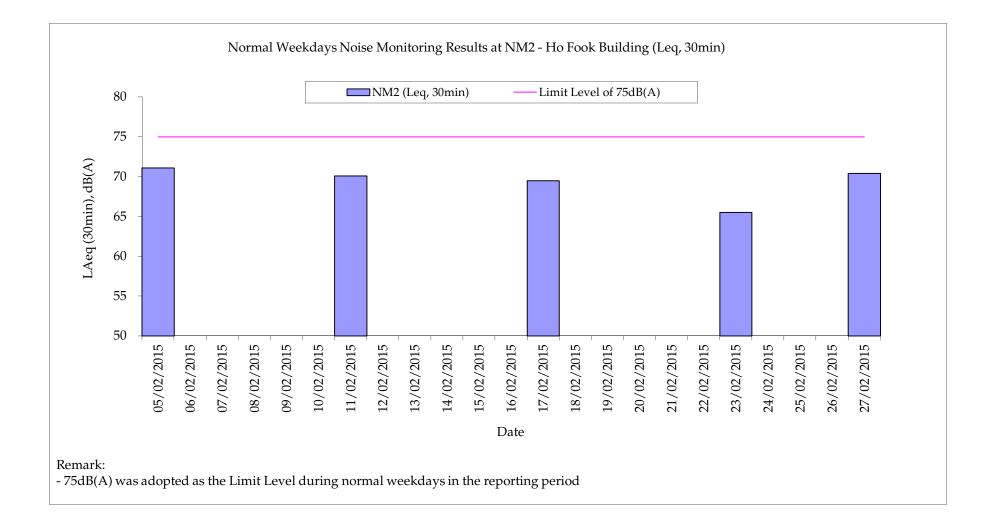
NM6 Chancery Mansion

Date	Start Time	End Time	Weather	Noise	level (dB(A)), 30 min	Major Construction Noise Source(s) Observed	Other Noise Source(s)	Remarks	Wind Speed (m/s)	Noise Meter Model / ID	Calibrator Model / ID
				Leq	L10	L90		Observed		(
05-Feb-15	15:00	15:30	Sunny	70.6	72.3	66.9	Interior fitting, lifting (within the project site)	Traffic Noise	-	0.3	CEL-633A (S/N 3521757)	CEL-120 (S/N 3421612)
11-Feb-15	10:20	10:50	Sunny	69.3	72.3	65.2	Interior fitting, lifting (within the project site)	Traffic Noise	-	0.5	CEL-633A (S/N 3521757)	CEL-120 (S/N 3421612)
17-Feb-15	10:30	11:00	Cloudy	70.0	71.9	65.6	Interior fitting, lifting (within the project site)	Traffic Noise	-	0.3	CEL-633A (S/N 3521757)	CEL-120 (S/N 3421612)
23-Feb-15	10:20	10:50	Fine	65.9	67.3	63.8	Interior fitting, lifting (within the project site)	Traffic Noise	-	0.2	CEL-633A (S/N 3521757)	CEL-120 (S/N 3421612)
27-Feb-15	10:30	11:00	Cloudy	68.7	70.1	65.9	Interior fitting, lifting (within the project site)	Traffic Noise	-	0.3	CEL-633A (S/N 3521757)	CEL-120 (S/N 3421612)
			Min.	65.9		•			•			
			Max.	70.6								

NM2 Ho Fook Building

				Noise	level (dB(A)), 30 min	Major Construction Noise	Other Noise		Wind Speed	Noise Meter	Calibrator
Date	Start Time	End Time	Weather	Leq			Source(s) Observed	Source(s) Observed	Remarks	(m/s)	Model / ID	Model / ID
05-Feb-15	14:20	14:50	Sunny	71.1	73.2	67.6	Interior fitting, lifting (within the project site)	Traffic noise	-	0.5	CEL-633A (S/N 3521757)	CEL-120 (S/N 3421612)
11-Feb-15	8:27	8:57	Sunny	70.1	72.5	66.4	Interior fitting, lifting (within the project site)	Traffic Noise	-	0.3	CEL-633A (S/N 3521757)	CEL-120 (S/N 3421612)
17-Feb-15	8:26	8:56	Cloudy	69.5	72.2	64.5	Interior fitting, lifting (within the project site)	Traffic Noise	-	0.3	CEL-633A (S/N 3521757)	CEL-120 (S/N 3421612)
23-Feb-15	8:26	8:56	Fine	65.5	67.1	63.2	Interior fitting, lifting (within the project site)	Traffic Noise	-	0.3	CEL-633A (S/N 3521757)	CEL-120 (S/N 3421612)
27-Feb-15	8:30	9:00	Cloudy	70.4	72.2	66.7	Interior fitting, lifting (within the project site)	Traffic Noise	-	0.3	CEL-633A (S/N 3521757)	CEL-120 (S/N 3421612)
			Min.	65.5								
			Max.	71.1								



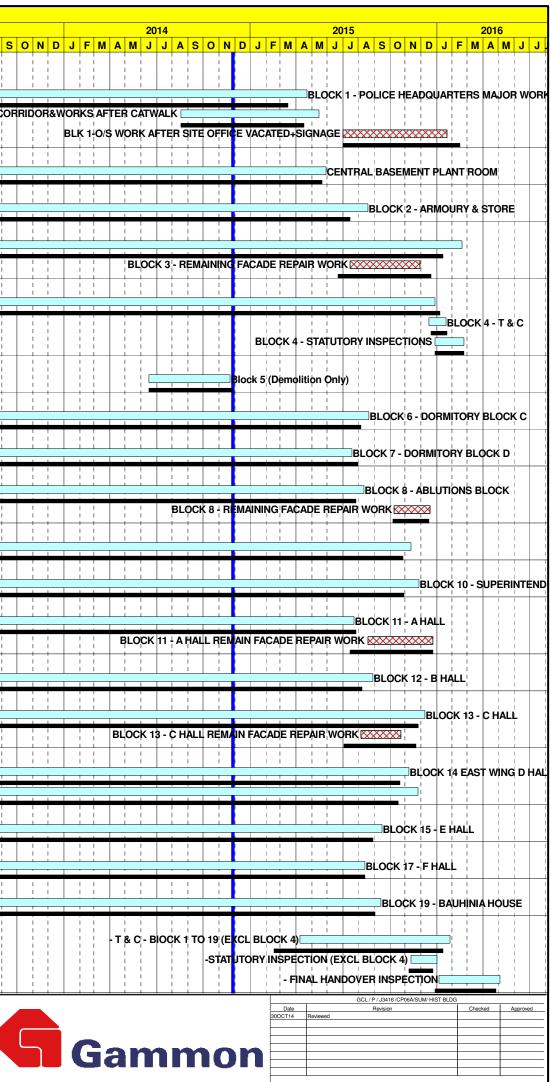


Annex I

Construction Programme for the Project

Activity ID	Activity Description	Dur (Cal Days)	Start Date	Finish Date	Rev 6A Start	Rev 6A Finish			2012					013					014
EXISTING B	JILDING						MA	MJ	JA	SON	D J	FM	A M J		SON	DJ	<mark>= м /</mark>	A <mark>MJ</mark>	JAS
Block 1		1	1																
010005-18	BLOCK 1 - POLICE HEADQUARTERS MAJOR WORKS	932*	03OCT12A	22APR15	03OCT12A	14MAR15													
010005-22	BLOCK 1 - SERV. CORRIDOR&WORKS AFTER CATWALK	271*	18AUG14A	15MAY15	18AUG14A	16APR15							OCK 1 -	SERV. CO		i i	i	i i	
010005-30	BLK 1-O/S WORK AFTER SITE OFFICE VACATED+SIGNAGE	204*	02JUL15	21JAN16	02JUL15	15FEB16										BLK	1-0/5		AFTER SIT
010005-35	Ment Plant Room	968*	04OCT12A	29MAY15	040CT12A	21MAY15											1		
Block 2		500	0400112A	23101A113	0400112A	ZIMATI5													
020005-05	BLOCK 2 - ARMOURY & STORE	838*	03MAY13A	18AUG15	03MAY13A	14JUL15													
Block 3																			
030005-05	BLOCK 3 - BARRACK BLOCK	1,066*	21MAR13A	19FEB16	21MAR13A	13JAN16		I I .	BLOCK	3 - BARR									
030005-20	BLOCK 3 - REMAINING FACADE REPAIR WORK	136*	16JUL15	28NOV15	22JUN15	21DEC15												BLOC	CK 3¦- REM
Block 4			10110101	0005045						BLOCK 4			BLOCK	Δ & B	1		1		
040005-05	BLOCK 4 - DORMITORY BLOCK A & B	869*	12AUG13A	28DEC15	12AUG13A	06JAN16							BLOCK						
040005-30	BLOCK 4 - T & C BLOCK 4 - STATUTORY INSPECTIONS	32*	18DEC15	18JAN16	21DEC15	20JAN16													
040005-40 Block 5	BLOCK 4 - STATUTORY INSPECTIONS	55*	30DEC15	22FEB16	30DEC15	22FEB16													
050002	Block 5 (Demolition Only)	159*	16JUN14A	21NOV14A	16JUN14A	26NOV14												· · ·	
Block 6				I								1 1							
060005-05	BLOCK 6 - DORMITORY BLOCK C	915*	18FEB13A	21AUG15	18FEB13A	05AUG15													
Block 7								i i											
070005-05	BLOCK 7 - DORMITORY BLOCK D	852*	19MAR13A	18JUL15	19MAR13A	30JUL15		 		 	 								
Block 8 080010-05	BLOCK 8 - ABLUTIONS BLOCK	1,205*	23APR12A	10AUG15	23APR12A	27JUL15											1		
080010-03	BLOCK 8 - REMAINING FACADE REPAIR WORK	71*	090CT15	18DEC15	080CT15	17DEC15	-				!								BLOC
Block 9		,,,	0000110	IODEOTO	0000110	II DE010													
090005-05	BLOCK 9 - CENTRAL MAGISTRACY	877*	17JUN13A	10NOV15	17JUN13A	270CT15			BL	рск 9 - се	NTRA	L MAGI	STRACY						
Block 10				1															
100010-05	BLOCK 10 - SUPERINTENDENT HOUSE	1,050*	11JAN13A	26NOV15	11JAN13A	280CT15			1										
Block 11		aaat	(0)(0)((0)	00 11 11 15		07.11.11.65		i i											
110010-05		986*	10NOV12A	23JUL15	10NOV12A	27JUL15	$\left \right $	i i			i						1	BLOCK	(11 ∔ A ḤA
110010-30 Block 12	BLOCK 11 - A HALL REMAIN FACADE REPAIR WORK	128*	19AUG15	24DEC15	16JUL15	24DEC15					 								
120010-05	BLOCK 12 - B HALL	1,023*	10NOV12A	29AUG15	10NOV12A	07AUG15	•	I I				1 1							
Block 13											1								
130010-05	BLOCK 13 - C HALL	1,056*	18JAN13A	09DEC15	18JAN13A	24NOV15													
130010-35	BLOCK 13 - C HALL REMAIN FACADE REPAIR WORK	79*	06AUG15	23OCT15	04JUL15	21NOV15											E	LOCK 1	13 - C HAL
Block 14											!						!		
140010-03	BLOCK 14 EAST WING D HALL	1,112*	22OCT12A	07NOV15	220CT12A	20OCT15			WEOT			1 1							
140035-03	BLOCK 14 - WEST WING D HALL	1,052*	08JAN13A	25NOV15	08JAN13A	16OCT15	BLU	ur 14		WING D H									+++
Block 15 150010-05	BLOCK 15 - E HALL	829*	10JUN13A	16SEP15	10JUN13A	29AUG15													
Block 17		020	10001110/1	TOOLI TO	10001110/1	20/10/010		<u> </u> 	1	1 I I I	1	1 I 1 I					-		
170010-02	BLOCK 17 - F HALL	1,199*	02MAY12A	13AUG15	02MAY12A	12AUG15													
Block 19										 	1				1	1 1 1 1			
190005-05	BLOCK 19 - BAUHINIA HOUSE	775*	01AUG13A	14SEP15	01AUG13A	02SEP15													
	ECTION & HANDOVER																		
S400		294*	08APR15	26JAN16	17FEB15	13JAN16										1 1			BIOCK 1 T
S410		50*	12NOV15	31DEC15	09NOV15	24DEC15		i i I I											
S415 Start Date	- FINAL HANDOVER INSPECTION	120*	05JAN16	03MAY16	29DEC15	26APR16							Cho	et 1 of 2					
Start Date Finish Date Data Date Run Date	07JUL10 04MAY16 27NOV14 28NOV14 17:34		Rev	'ly Bar ^{4L0} v6A Bar gress Bar		CE CONSEI CONSTR ARY PROGI (WITH P		ON AI	ND RE	MME (R DRIC & N	ATION lev 6/ IEW B	A) BUILDI			5		sé	n	nm

(WITH PROGRESS AS OF 27 NOV 2014)



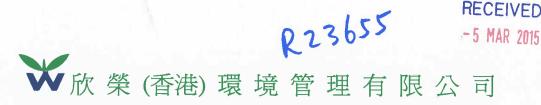
Activity	Activity	Dur	Start	Finish	Rev 6A	Rev 6A		
ID	Description	(Cal Days)	Date	Date	Start	Finish	2012 2013 2014 2015	2016
							M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M	M A M J J
NEW BUILD	INGS							
OBW								
OBW-0010	OLD BAILEY WING	1,374*	30MAR12A	02JAN16	30MAR12A	24DEC15		AILEY WING
AW								
AW-0010	ARBUTHNOT WING	1,291*	08MAY12A	19NOV15	08MAY12A	07NOV15		Γ WING
INSPECTION	& HANDOVER							
OBW-0015	- APPLY FOR WATER SUPPLY & CONNECTION	66*	10OCT15	14DEC15	10OCT15	26NOV15		
OBW-0020	- STATUTORY INSPECTION (NEW BLDGS)	50*	12NOV15	31DEC15	09NOV15	24DEC15	- STATUTORY INSPECTION (NEW BLDGS)	
OBW-0025	- OP ACHIEVED	0		31DEC15		24DEC15	оррания и правили и п Правили и правили и пр	CHIEVED
OBW-0030	- HANDOVER INPSECTION (NEW BLDGS)	120*	05JAN16	03MAY16	29DEC15	26APR16		
OBW-0035	- PRACTICAL COMPLETION	0		03MAY16		26APR16		
SIGNAGE	1		1	1	1	1		
SIGNAGE								
SN-0010	-SIGNAGE	92*	10OCT15	09JAN16	02OCT15	31DEC15		IGE

Start Dat		Early Bar	4L02 Sheet 2 of 2	
Finish Da	ate 04MAY16		CENTRAL POLICE STATION	
Data Dat	e 27NOV14	Rev6A Bar		
Run Date	e 28NOV14 17:34	Progress Bar	CONSERVATION AND REVITALIZATION	
			CONSTRUCTION PROGRAMME (Rev 6A)	
			SUMMARY PROGRAMME OF HISTORIC & NEW BUILDINGS	Gammo
			(WITH PROGRESS AS OF 27 NOV 2014)	
	?Primavera Systems, Inc.		(WITH PROGRESS AS OF 27 NOV 2014)	1

	GCL / P / J3416 /CP06A/SUM/ HIST BLDG						
	Date	Revision	Checked	Approved			
	30OCT14	Reviewed					
on							

Annex J

Tree Inspection Reports



Yan Wing (Hong Kong) Environment Management Limited

香港 新界 沙頭角 新樓街 15號 二樓 No. 15, San Lau Street, 1/F., Sha Tau Kok, N.T., Hong Kong

通信地址 (Mail Address): 上水郵局信箱 八八九 號 (Sheung Shui Post Office Box 889) Tel: 9776 1987, 2486 2317 Fax: 2482 4667 E-mail: vanwinghk@netvigator.com

Our Ref. : YW/TP/GAMMON/2015/2/1

28th February 2015

Tel. 2516 8823

Fax.2516 6260

RECEIVED

Gammon Construction Limited 28/F Devon House, TaiKoo Place 979 King's Road Hong Kong

Attn : Mr. Cliff C.H. LEUNG, Ms. Oley C.T. WONG

Dear Madam/Sir,

Summary of Monthly Inspection Report for the Six Existing Trees at Central Police Station Compound for February 2015 (Contract Ref. : J3416/400.4/D00025)

Tree	Botanical	Date of	Overall Health Condition		
No.	Name	Inspection	Good/Fair/Poor	Remarks	
Tree-5	Mangifera indica 芒果	5 th Feb. 2015	Fair	 No further action is required. 	
Tree-6	Aleurites moluccana 石栗	5 th Feb. 2015	Fair	 No further action is required. 	
Tree-7	Aleurites moluccana 石栗	5 th Feb. 2015	Fair	 No further action is required. 	
Tree-8	Plumeria rubra 紅雞蛋花	5 th Feb. 2015	Fair	 No further action is required. 	
Tree-9	Araucaria cunninghamia 花旗杉	5 th Feb. 2015	Fair	 No further action is required. 	
Tree-11	Dracaena marginata 馬尾鐵	5 th Feb. 2015	Poor	 To keep monitoring on the growth of the tree. 	





Yan Wing (Hong Kong) Environment Management Limited

香港 新界 沙頭角 新樓街 15 號 二樓 No. 15, San Lau Street, 1/F., Sha Tau Kok, N.T., Hong Kong

Tree Inspection Reports and Tree Group Inspection Form (Form 1) are attached for your reference and record, please.

I should be much grateful if you could endorse the attached Invoice (No.1083) and fax it to my Office at 2482 4667. Thank you.

Yours faithfully

For and on behalf of Yan Wing (HK) Environment Management Ltd.

(WONG Pak Hay) Contract Manager



FORM 1: TREE GROUP INSPECTION FORM 表格 1: 樹群檢查表格

General Information 基本資料

Company 公司:	Gammon Constru	uction Ltd	Name of Tree Inspection officer	· 巡查人員姓名:	LAU Man Chung
	YW/TP/GAMMON		Name of Endorsement Officer		WONG Pak Hay
Date of Inspection 巡社	E日期: February	5, 2015			0
Project/Contract No.合	約/工程編號:	J3416/400.4/D00025	5		

Location Information 位置資料

Location 地點:	Central Police St	ation Compound.	Nearby Utility Post No. 就近公用設施編號:
Location Types 地點類 Address : (multiple answers allow 可選多於項)		 □ Roadside 路旁 □ X Open space 空地 □ Exhibition Centre 展覽中心 □ View Point 觀景台 □ Walking / nature trail 行山徑 / 自 □ Others (please specify)其他 (請說) 	

General Tree Information 基本樹木資料

General Tree Information	n基本樹木資料			* Delete as a	appropriate 請把不合適的刪除
Main tree species in the group or minority tree species of significant size 在群組內的主要樹種或樹幹 胸徑或高度或樹冠範圍較大 的樹種 (Note 2)	Approx. number of trees in the relevant species or as a % of tree group 該樹種在群組內 的百份比/數目*	Range of tree height (m) 該樹種高度範圍	Overall health condition 整體健康狀況 (good, fair, poor 好,良,差)	Overall structural condition 整體結構狀況 (good, fair, poor 好,良, 差)	Other remarks (Any special tree condition, e.g. dying/dead, pest/disease problem and structural defects; and soil condition 其他評語 (樹木狀況例如: 凋謝/枯樹/病蟲害 或結構問題; 及泥土狀況)
Mangifera indica 芒果	17%, 1 No.	16M	FAIR	FAIR	NFA
Aleurites moluccana 石栗	32% 2 Nos.	10-13M	FAIR	FAIR	NFA
Plumeria rubra 紅雞蛋花	17% 1 No.	7 M	FAIR	FAIR	NFA
Araucaria cunninghamia 花旗杉	17% 1 No.	13M	FAIR	FAIR	NFA
Dracaena marginata 馬尾鐵	17% 1 No.	8M	FAIR	POOR	Some leaves are withered.

Target 目標

TARGET (people or property potentially affected by tree/branch failure)目標(因樹木倒塌或枝條斷裂而受影響的人或財產)
Does target exist? 目標是否存在? x Yes 是 No 否
Can target be moved?能否移除目標?
Can the use of site be restricted? 可否限制場地的使用? X Yes 是 No 否
Frequency of use of location 使用該地點的頻密程度:
□ Occasional use 偶爾使用 □ Intermittent use 間歇使用 x Frequent use 經常使用 □ Constant use 恆常使用

Identification of Trees for Remedial Action or Detailed Tree Risk Assessment

識別下述樹木,以便採取風險緩減措施或進行詳細樹木風險評估

	Trees falling under the following criteria 樹木屬於以下任何一項或多於一項類別		Remedial action or detailed tree risk assessment 緩減措施或進行詳細樹木風險評估
(1)	Trees on complaint list with structural or health problems 投訴個案中,結構或健康問題的樹木 (Note 1)	NII	
(2)	Mature trees belonging to species with brittle wood structure and having unsatisfactory health or structural conditions with failure potential 屬木質脆弱品種並已達成熟期及有倒塌風險的樹木 (Note 1)	NII	
(3)	Tree with major defects or health problems 有明顯缺陷或健康問題的樹木 (Note 1)	NII	
(4)	Trees growing in very stressful site conditions with failure potential 生長於非常擠壓環境而有倒塌風險的樹木 (Note 1)	NII	



Signature of Tree Inspection Officer : Signature of Endorsement Officer:

Name of Contractor

Date:

	\		and
		XA	800
	4	1.	5
Yan Wing (HK) E	Invironment I	Manageme	ent Ltd.
28-2-2015	/		
	/		



Note 1: If remedial action (such as pruning) undertaken cannot mitigate the potential risk of tree or branch failure, detailed tree risk assessment (using Form 2) should be carried out.

備註 1: 若風險緩減措施(如枝幹修剪)仍未能解決倒場或枝條斷裂的潛在風險,應爲該樹進行詳細的樹木風險評估(表格 2)。

Note 2: Please read in conjunction with TMO's Guidelines on Tree Risk Assessment and Management Arrangement (Para. 4.3. refers.)

備註 2: 請參閱樹木管理辨事處的樹木風險評估安排及管理指引(第43節)

I. TREE NUMBER: Tree-5 Mangifera indica 芒果

II. BASIC INFORMATION :

Height (m)	16m	Crown spread (m)	18m
DBH (mm)	1000mm	Overall Health Condition	Fair
		Good/Fair/Poor	
Date of Inspection	5 th February 2015	Last Inspection Date	5 th January 2015

III. COMMENTS :

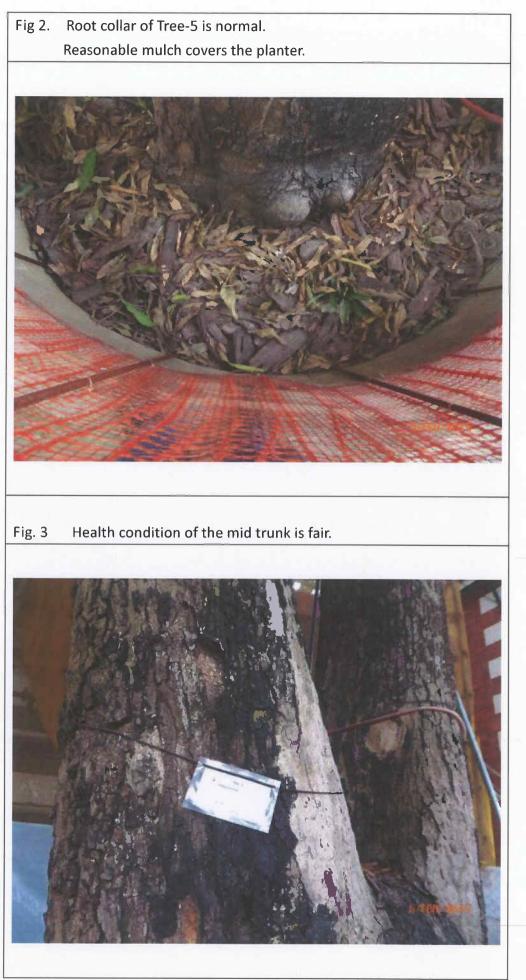
- 1. Overall health condition of the tree is fair.
- 2. The crown is full of vigorous and dense leaves.
- 3. Reasonable mulch covers the planter.
- 4. Some fruits and flowers appear on the tree.
- 5. Construction works are in progress outside the cordon zone.

IV. RECOMMENDATIONS :

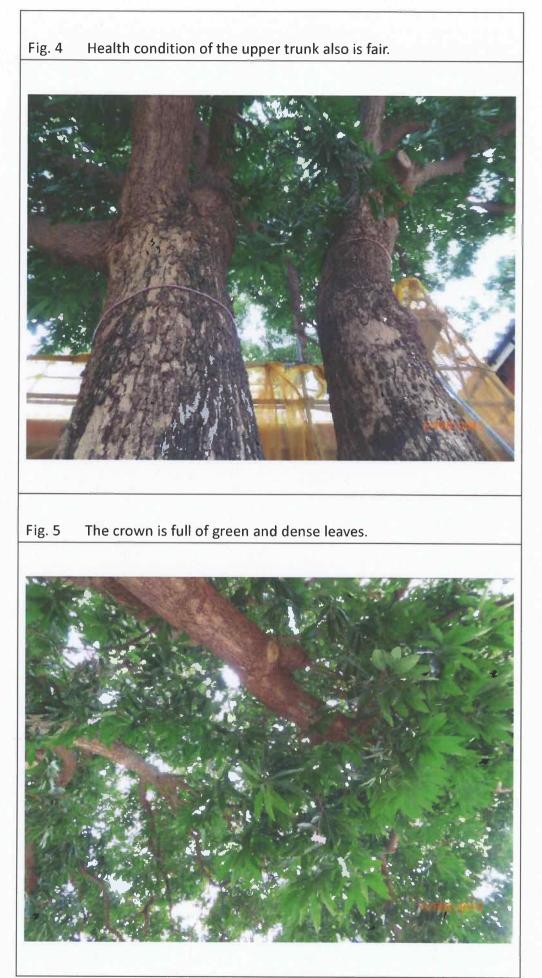
1. No further action is required.



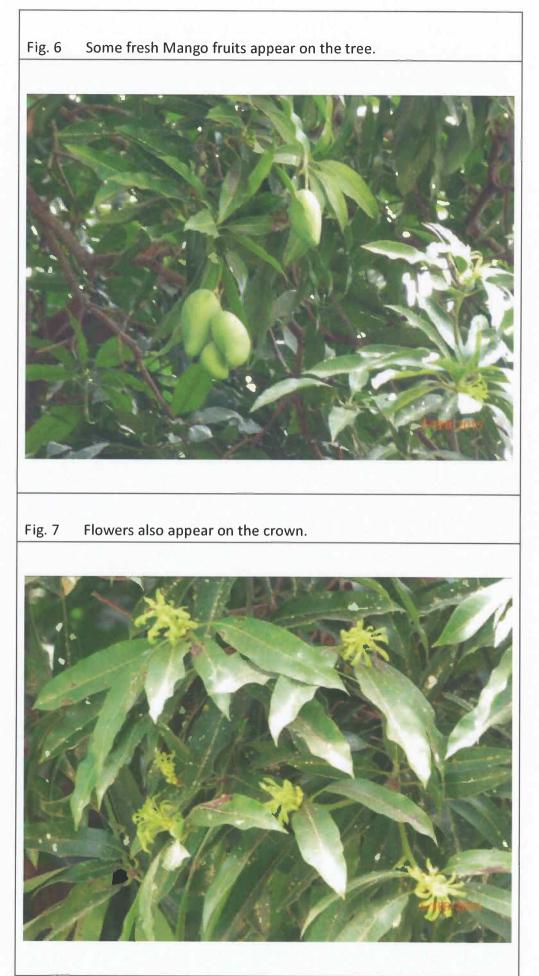




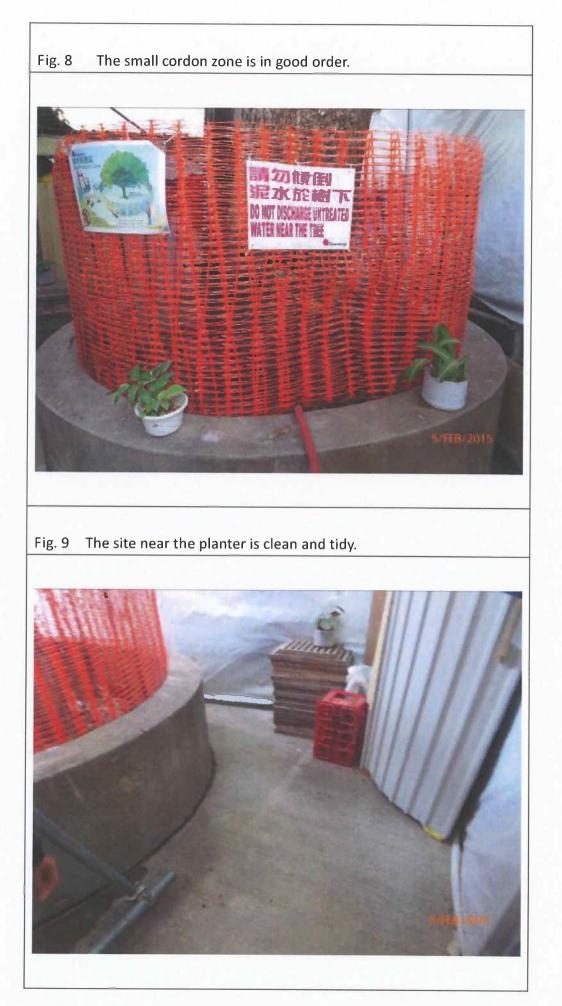




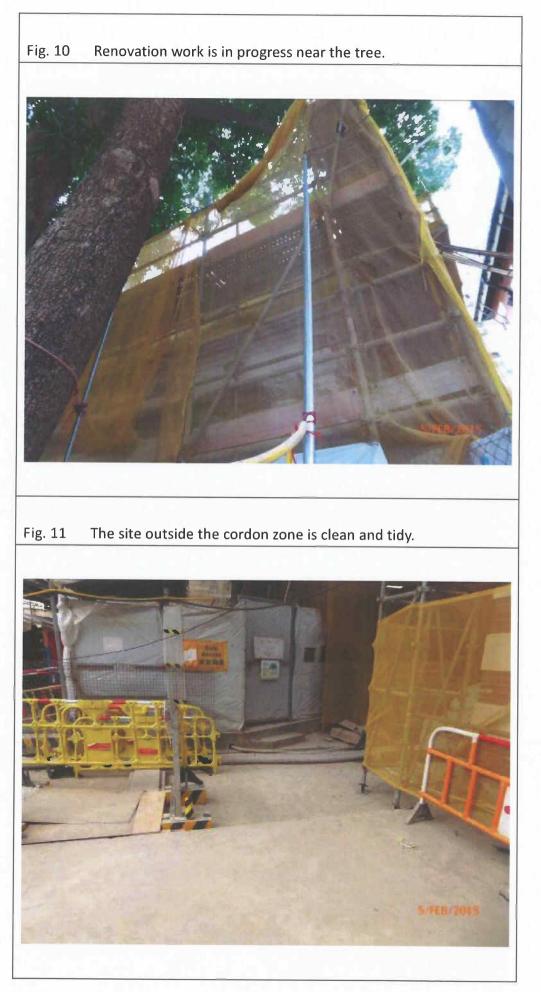




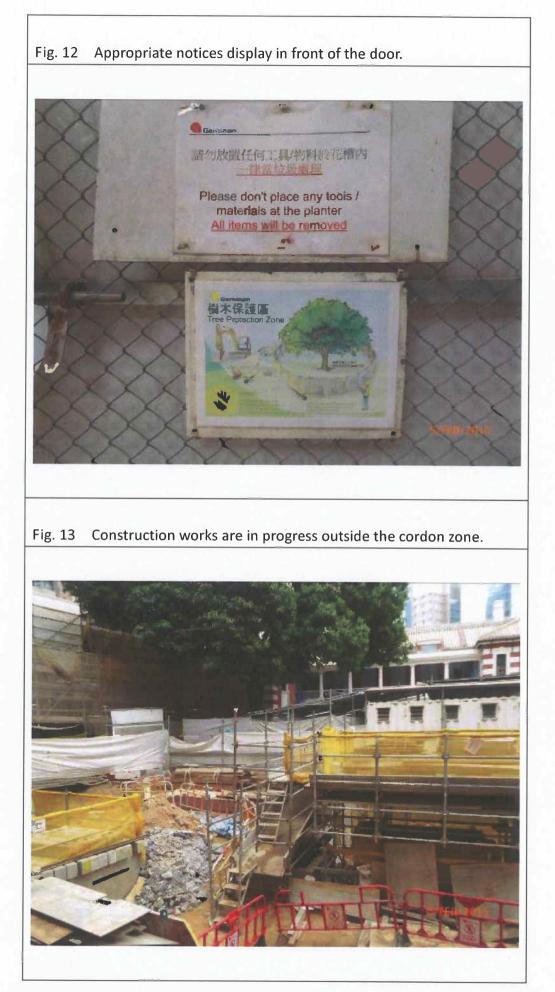




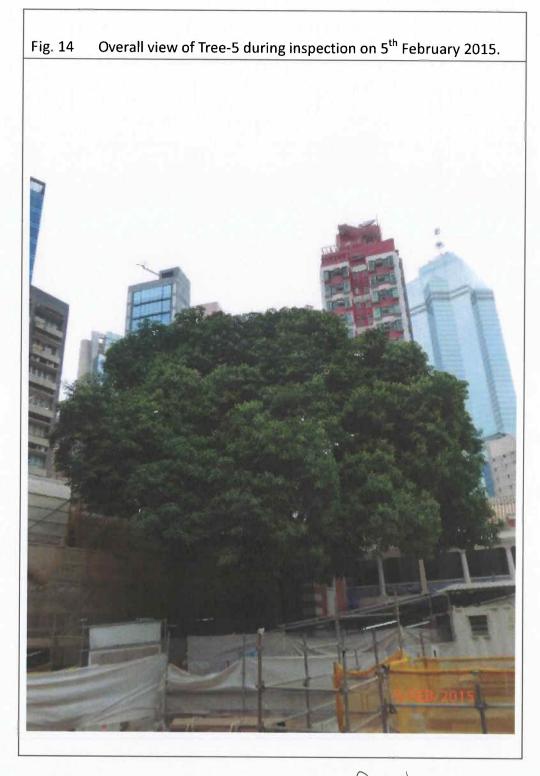








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Signature of Inspection Officer : (Mr. LAU Man-chung, ISA CA–HK0050A)

Signature of Endorsement Officer : (Mr. WONG Pak-hay, Contract Manager)

Name of Contractor :

Dated this :

Yan Wing (HK) Environment Management Ltd. 28th February 2015



I. TREEE NUMBER: Tree-6 Aleurites moluccana 石栗

II. BASIC INFORMATION :

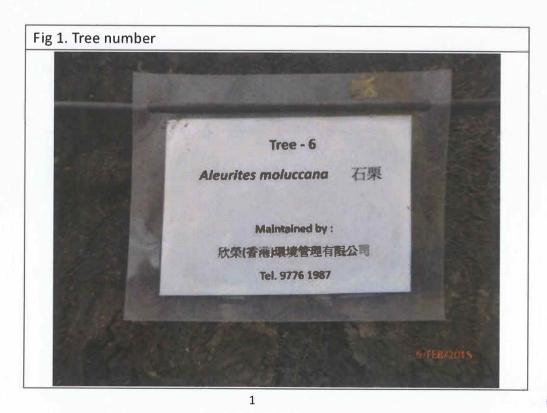
Height (m)	10m	Crown spread (m)	10m
DBH (mm)	510mm	Overall Health Condition	Fair
		Good/Fair/Poor	
Date of Inspection	5 th February 2015	Last Inspection Date	5 th January 2015

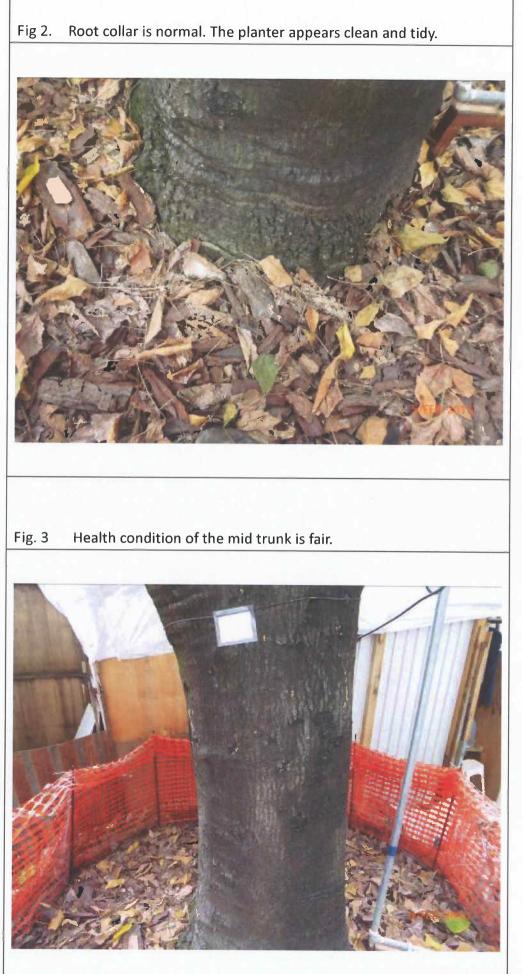
III. COMMENTS :

- 1. Overall health condition of the tree is fair.
- 2. Root collar is normal. The planter appears clean and tidy.
- 3. The crown is full of green and dense leaves.
- 4. The site near the tree is clean and tidy.
- 5. Construction works are in progress outside the cordon zone.

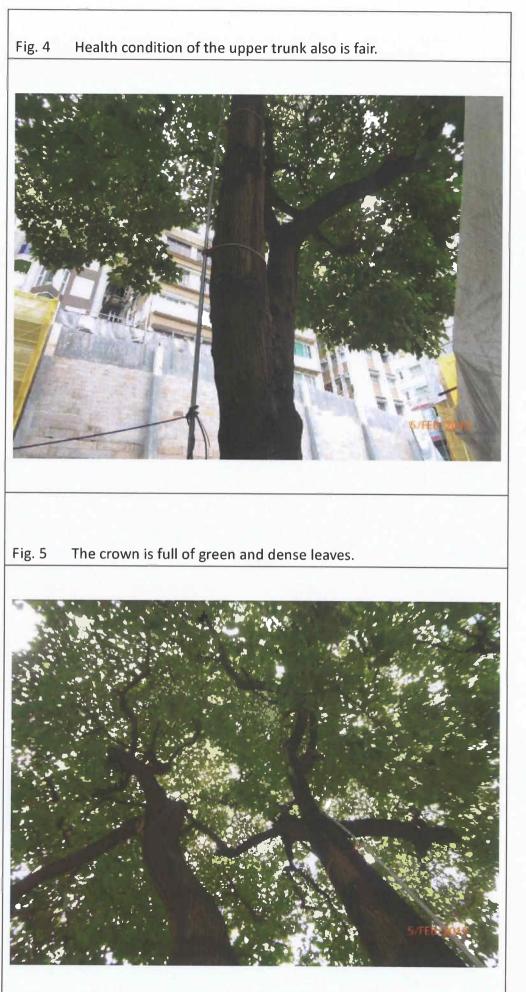
IV. RECOMMENDATIONS :

1. No further action is required.

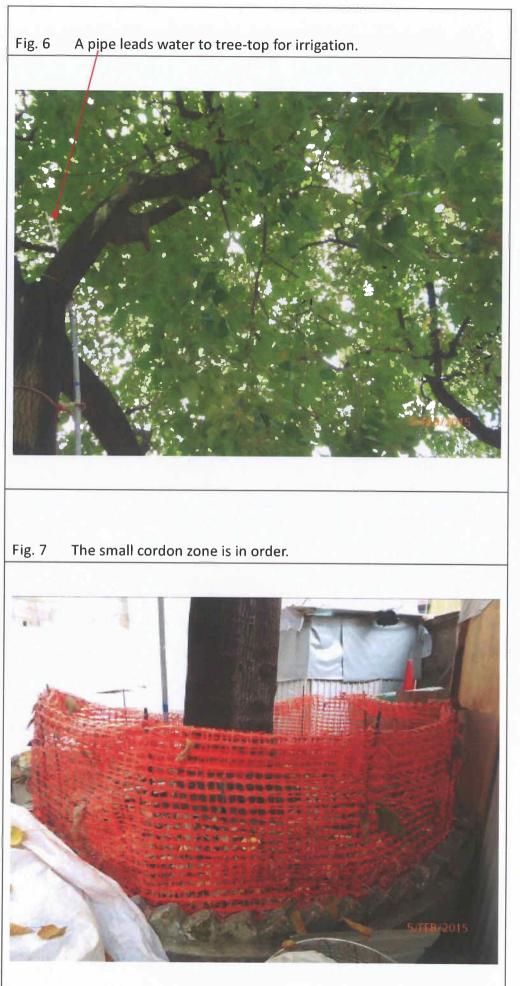




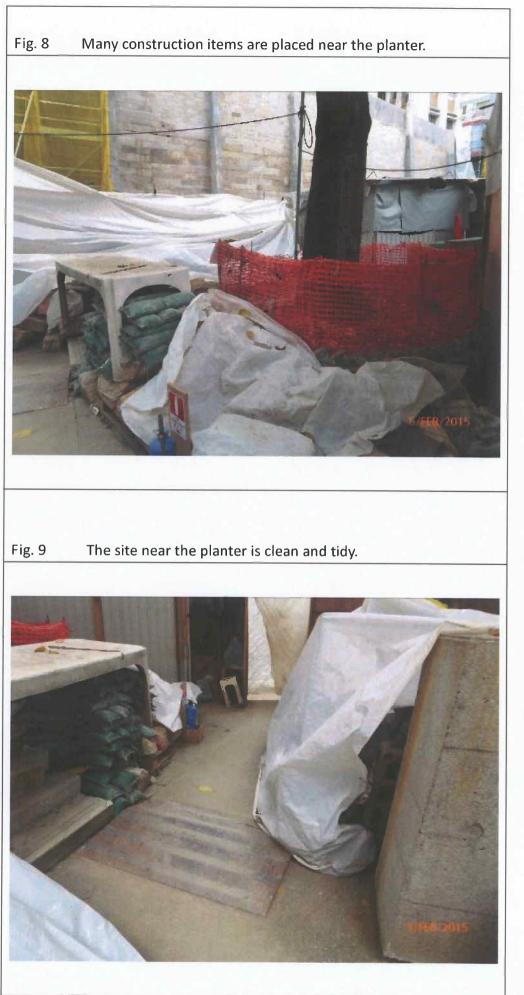




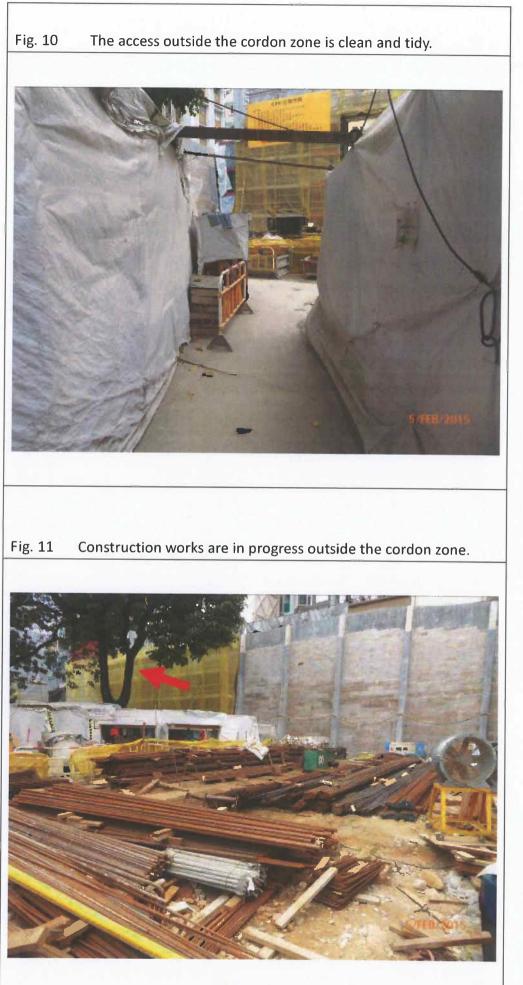




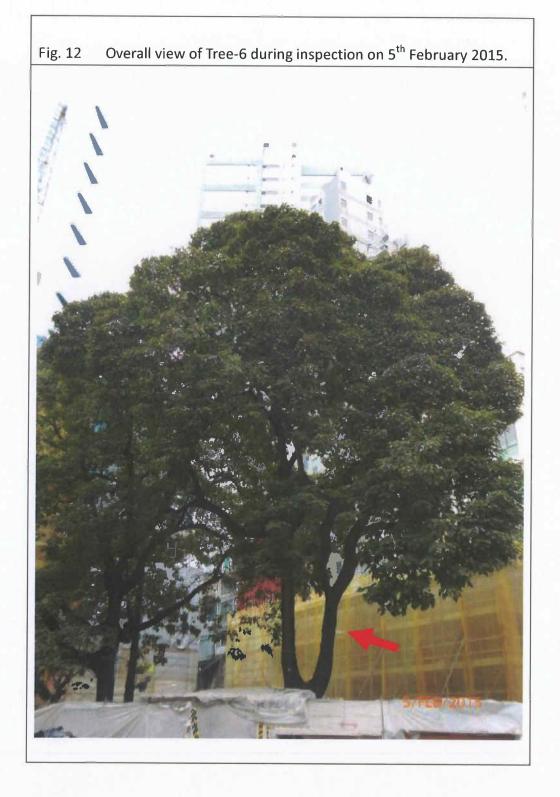












Signature of Inspection Officer : (Mr. LAU Man-chung, ISA CA–HK0050A) Signature of Endorsement Officer : (Mr. WONG Pak-hay, Contract Manager)

Name of Contractor :

Yan Wing (HK) Environment Management Ltd.



28th February 2015

Dated this :

7

I. TREEE NUMBER: Tree-7 Aleurites moluccana 石栗

II. BASIC INFORMATION :

Height (m)	13m	Crown spread (m)	12m
DBH (mm)	650mm	Overall Health Condition	Fair
		Good/Fair/Poor	
Date of Inspection	5 th February 2015	Last Inspection Date	5 th January 2015

III. COMMENTS :

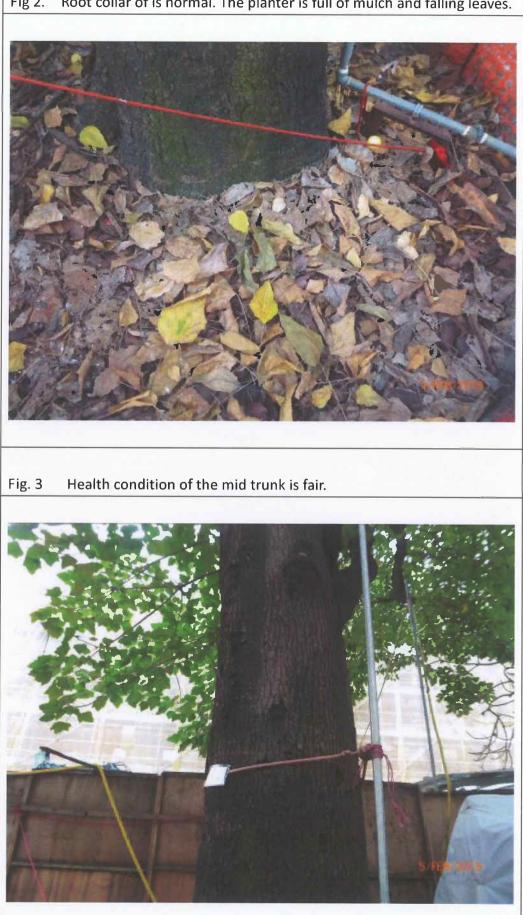
- 1. Overall health condition of the tree is fair.
- 2. Root collar is normal. The planter is full of mulch and falling leaves.
- 3. The small cordon is in good order.
- 4. The crown is full of vigorous and dense leaves.
- 5. Construction works are in progress outside the cordon zone.

IV. RECOMMENDATIONS :

1. No further action is required.

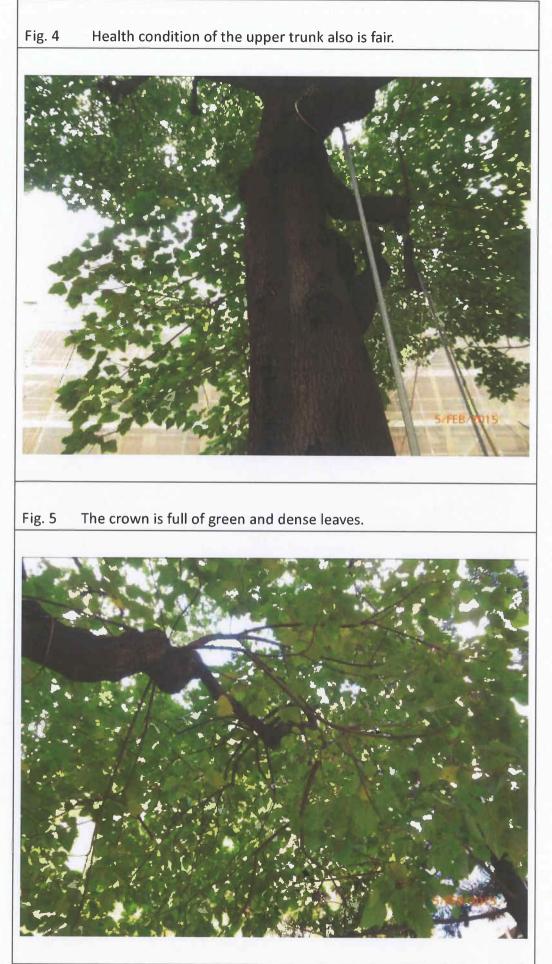




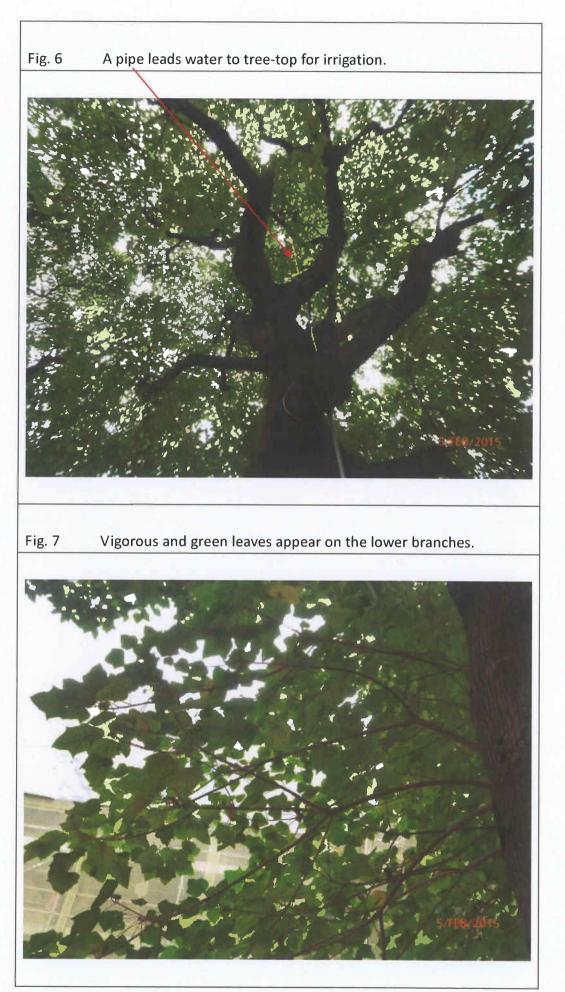




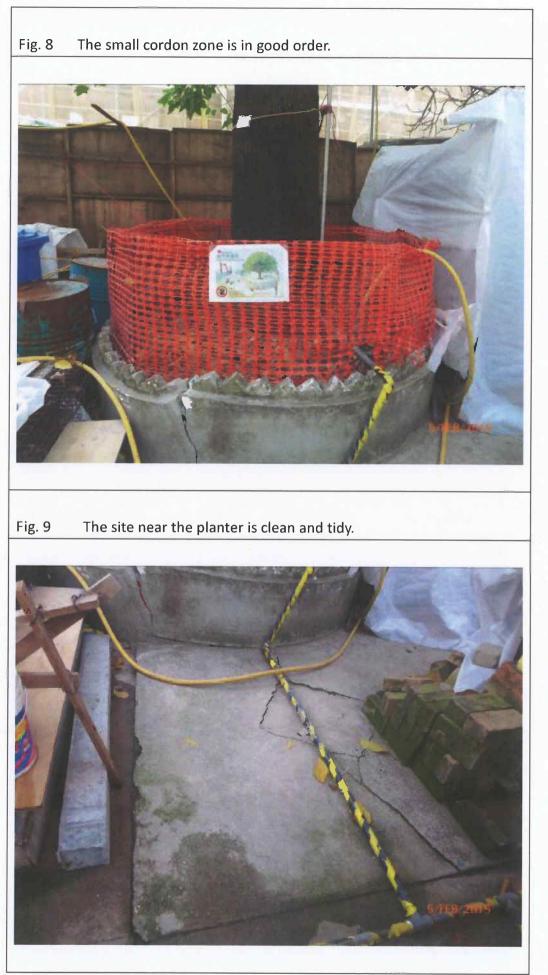




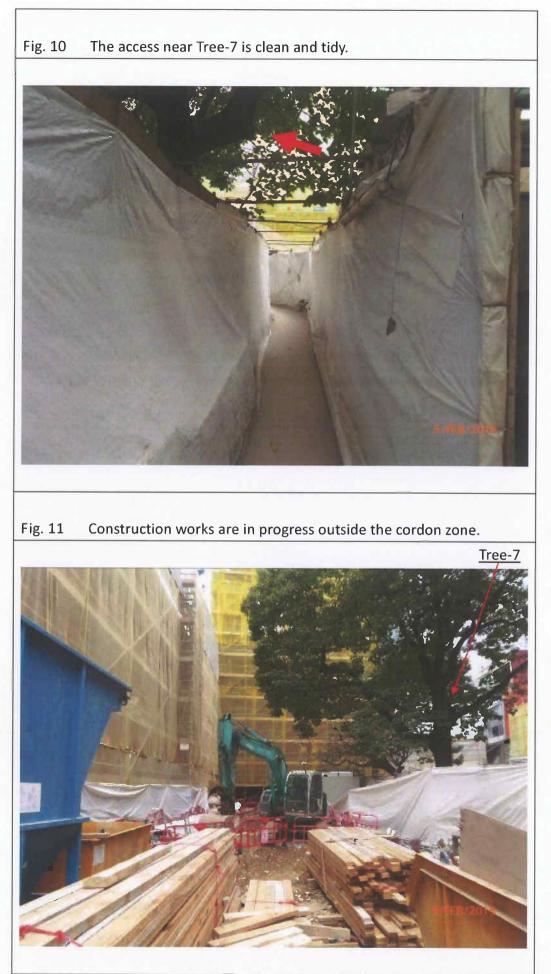
















Signature of Inspection Officer : (Mr. Lau Man-chung, ISA CA–HK0045A) Signature of Endorsement Officer : (Mr. WONG Pak-hay, Contract Manager)

Name of Contractor :

Dated this :

Yan Wing (HK) Environment Management /td.

28th February 2015



Appendix 4

Inspection Report for the 6 Existing Trees <u>at Central Police Station Compound</u> (Contract Ref. : J3416/400.4/D00025)

I. TREEE NUMBER: Tree-8 Plumeria rubra 紅雞蛋花

II. BASIC INFORMATION :

Height (m)	7m	Crown spread (m)	9m
DBH (mm)	430mm	Overall Health Condition	Fair
		Good/Fair/Poor	
Date of Inspection	5 th February 2015	Last Inspection Date	5 th January 2015

III. COMMENTS :

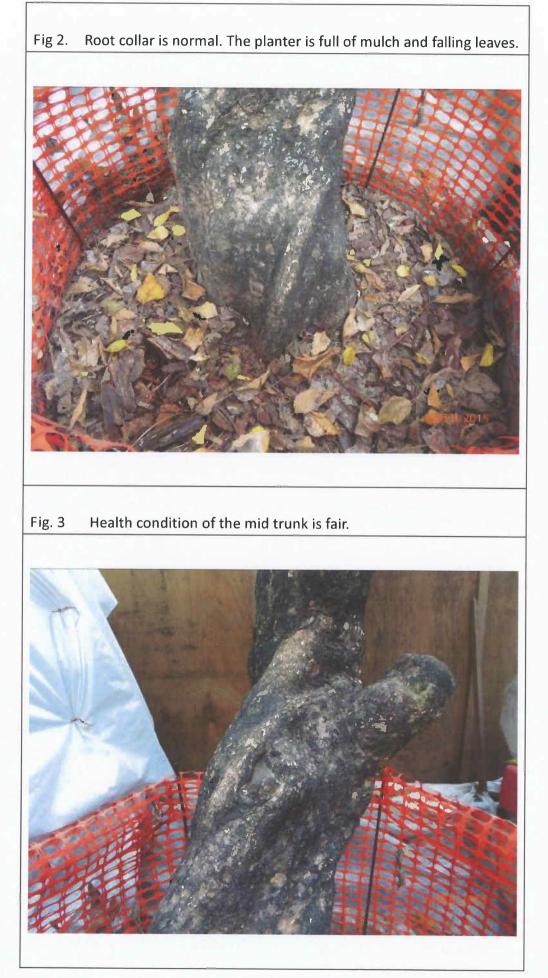
- 1. Overall health condition of the tree is fair.
- 2. The small cordon zone is in good order.
- 3. Most leaves have fallen due to dry weathers.
- 4. The access near Tree-8 is clean and tidy.
- 5. Construction works are in progress outside the cordon zone.

IV. RECOMMENDATIONS :

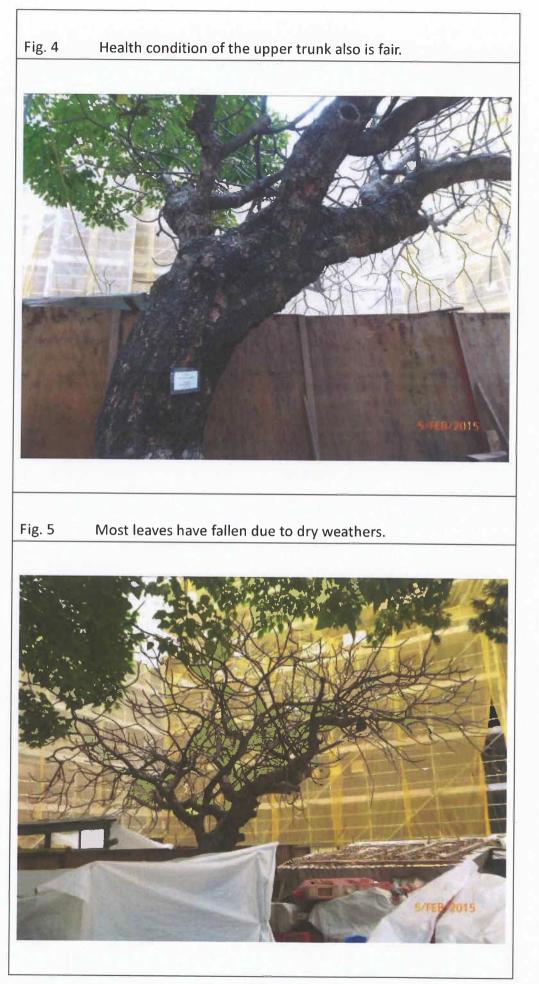
1. No further action is required.



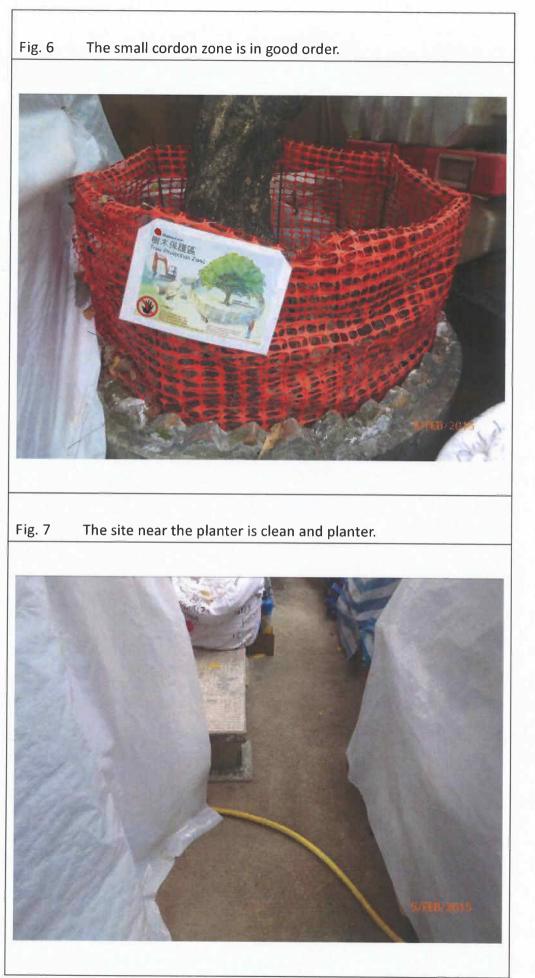




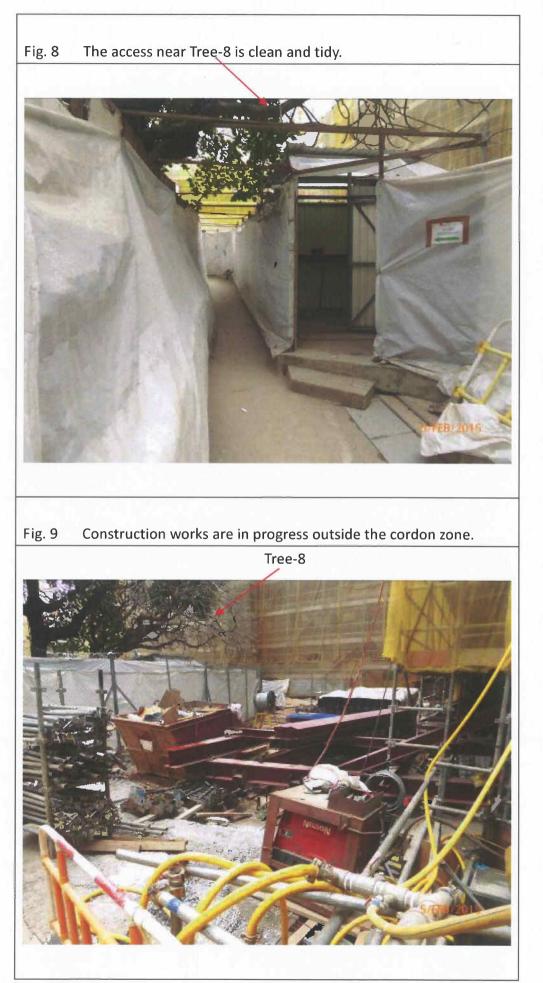
















Signature of Inspection Officer : (Mr. LAU Man-chung, ISA CA–HK0050A) Signature of Endorsement Officer : (Mr. WONG Pak-hay, Contract Manager)

Name of Contractor :

Dated this :

Yan Wing (HK) Environment Management Ltd. 28th February 2014



6

I. TREEE NUMBER: Tree - 9 Araucaria cunninghamia 花旗杉

II. BASIC INFORMATION :

Height (m)	13m	Crown spread (m)	5m
DBH (mm)	230mm	Overall Health Condition Good/Fair/Poor	Fair
Date of Inspection	5 th February 2015	Last Inspection Date	5 th January 2015

III. COMMENTS :

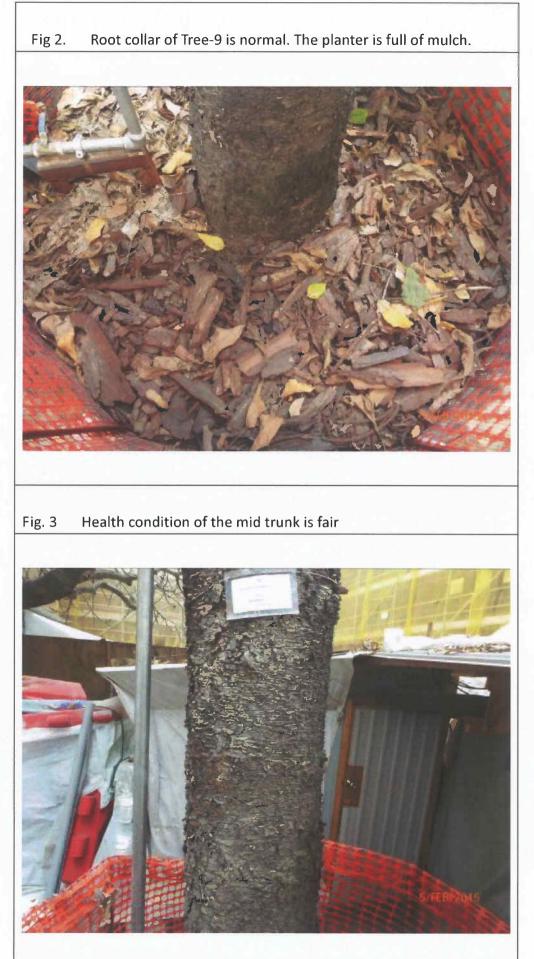
- 1. Overall health condition of the tree is fair.
- 2. Vigorous and green leaves appear on the tree.
- 3. The site near the tree is clean and tidy.
- 4. The access outside the cordon zone is clean and tidy.
- 5. Construction works are in progress outside the cordon zone.

IV. RECOMMENDATIONS :

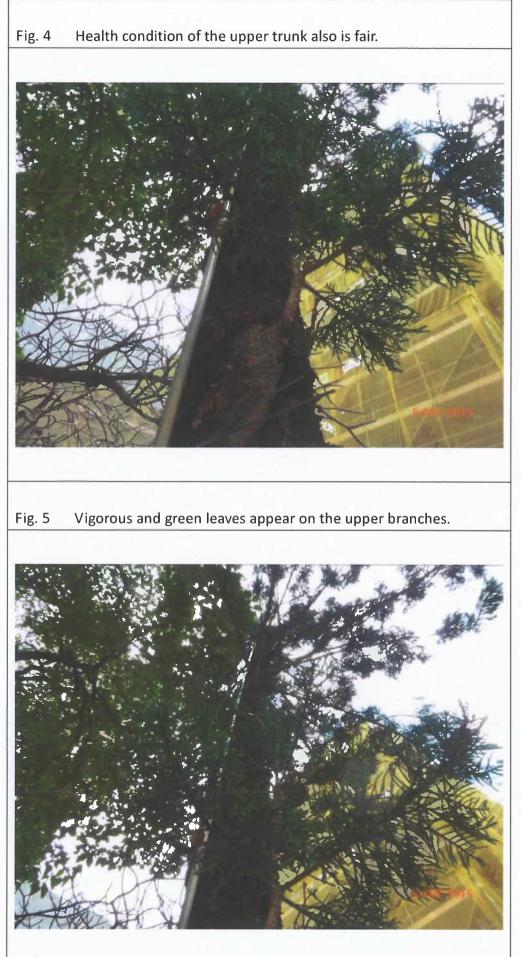
1. No further action is required.



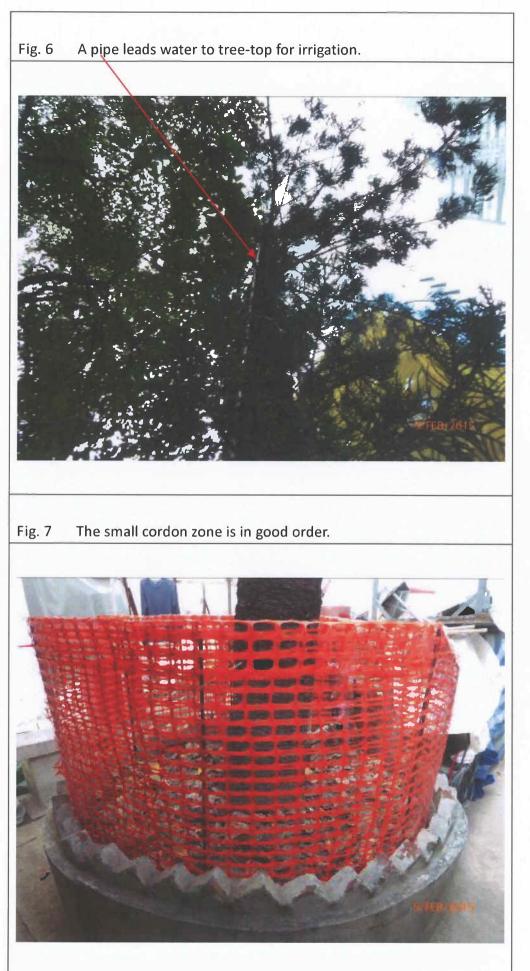




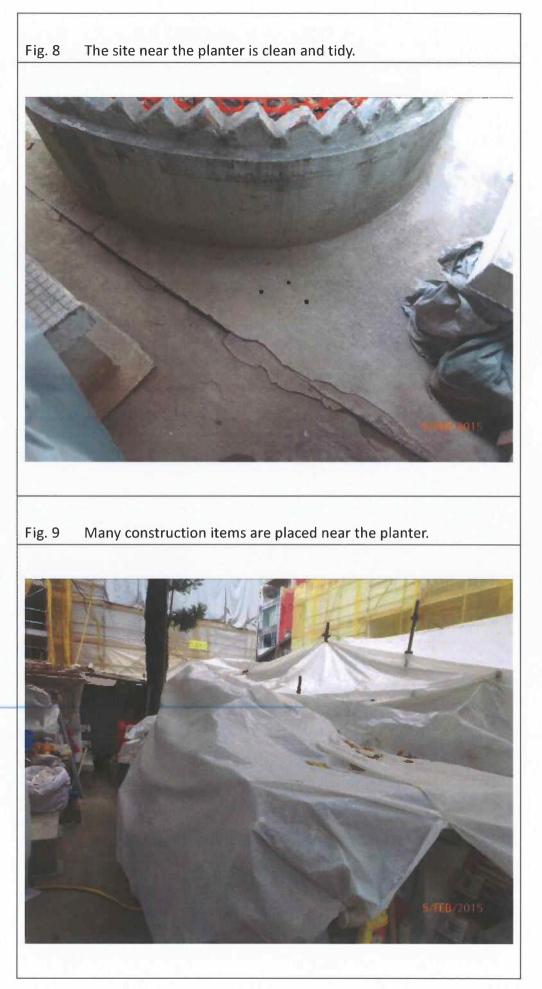




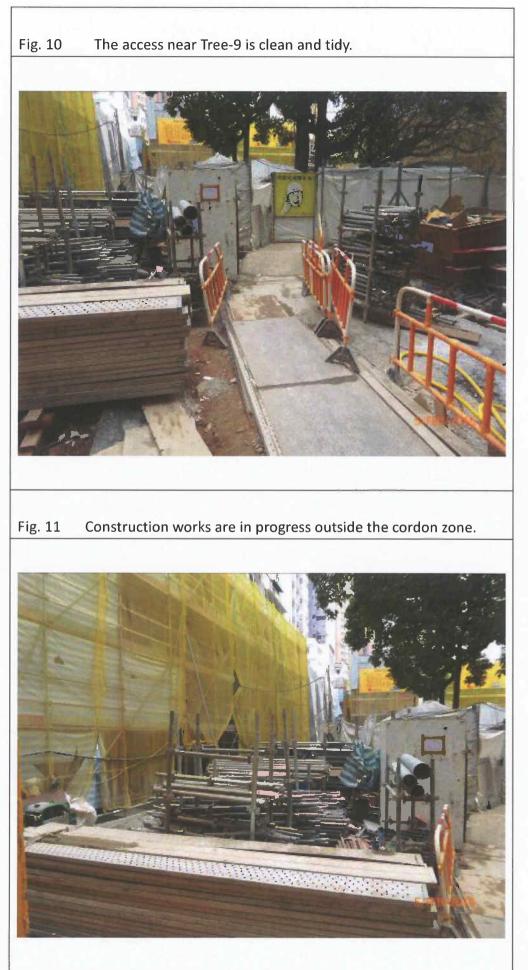




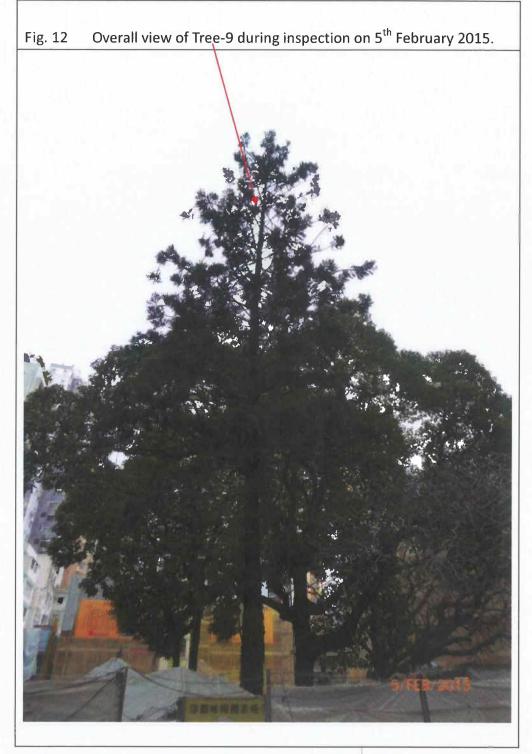












Signature of Inspection Officer : (Mr. LAU Man-chung, ISA CA–HK0050A) Signature of Endorsement Officer : (Mr. WONG Pak-hay, Contract Manager)

Name of Contractor :

Dated this :

Yan Wing (HK) Environment Management Ltd.



28th February 2015

Inspection Report for the 6 Existing Trees <u>at Central Police Station Compound</u> (Contract Ref. : J3416/400.4/D00025)

I. TREEE NUMBER: Tree -11 Dracaena marginata 馬尾鐵

II. BASIC INFORMATION :

Height (m)	8m	Crown spread (m)	2m
DBH (mm)	170mm	Overall Health Condition	Poor
		Good/Fair/Poor	
Date of Inspection	5 th February 2015	Last Inspection Date	5 th January 2015

III. COMMENTS :

- 1. Overall health condition of the tree is poor.
- 2. The planter is clean and tidy.
- 3. Some withered leaves appear on the tree.
- 4. The small cordon zone is in order.
- 5. Renovation work is in progress near the tree.

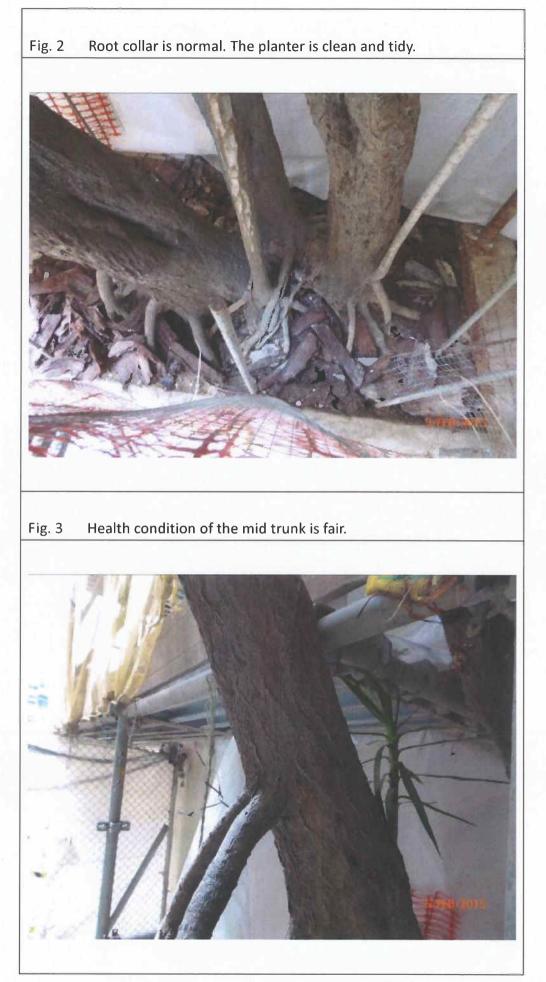
IV. RECOMMENDATIONS :

1. To keep monitoring on the growth of the tree.

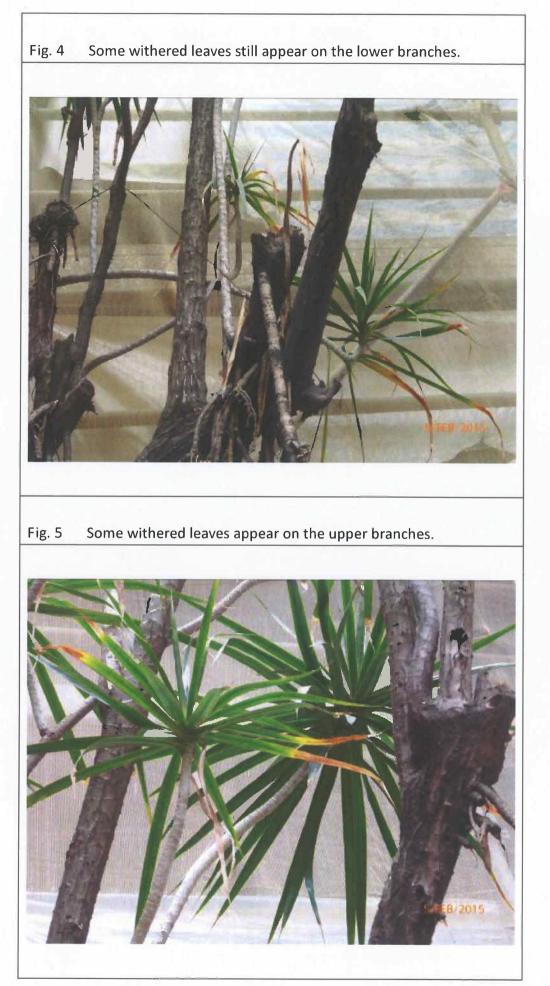
V. PHOTO RECORD :

Fig 1.	Tree number
	Tree - 11
5	pracaena marginata 馬尾橋
	Maintained by :
	欣箓(香港)環境管理有限公司
	Tel. 9776 1987
	5/FEB/2015

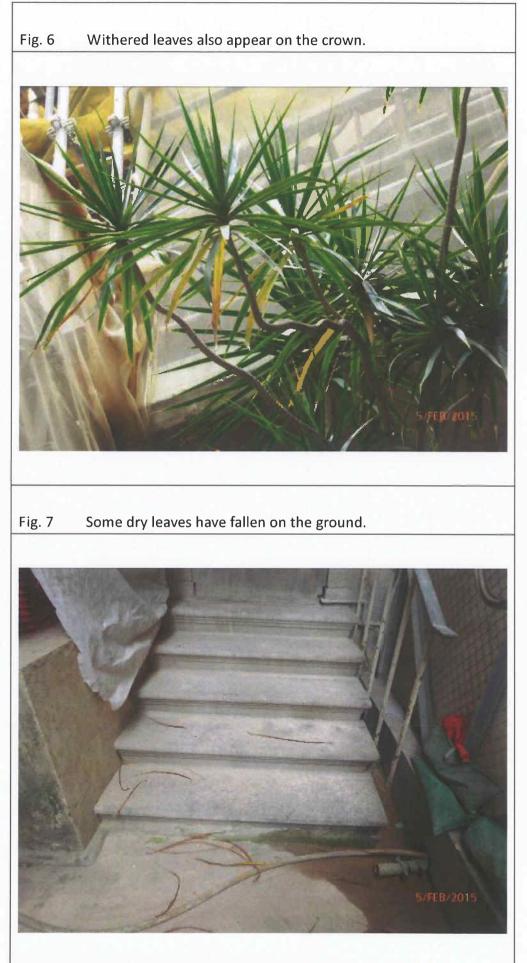




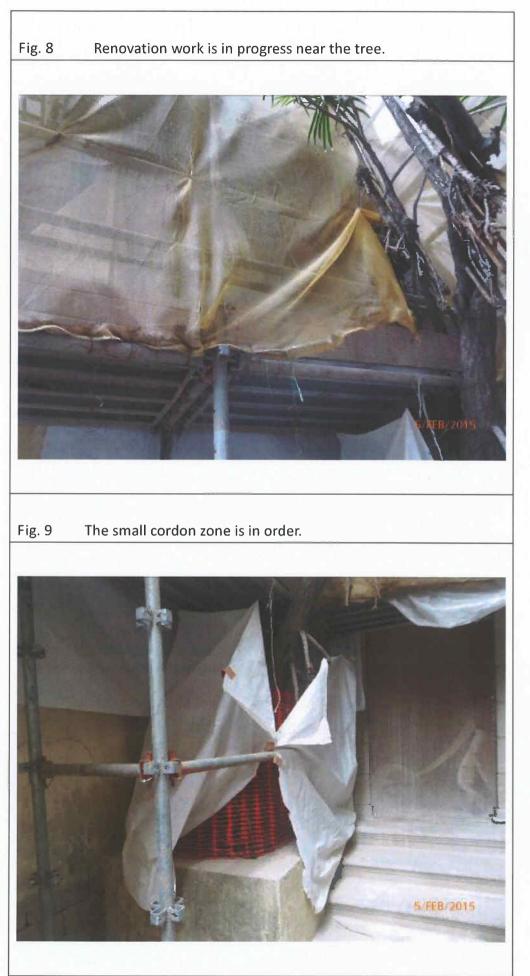




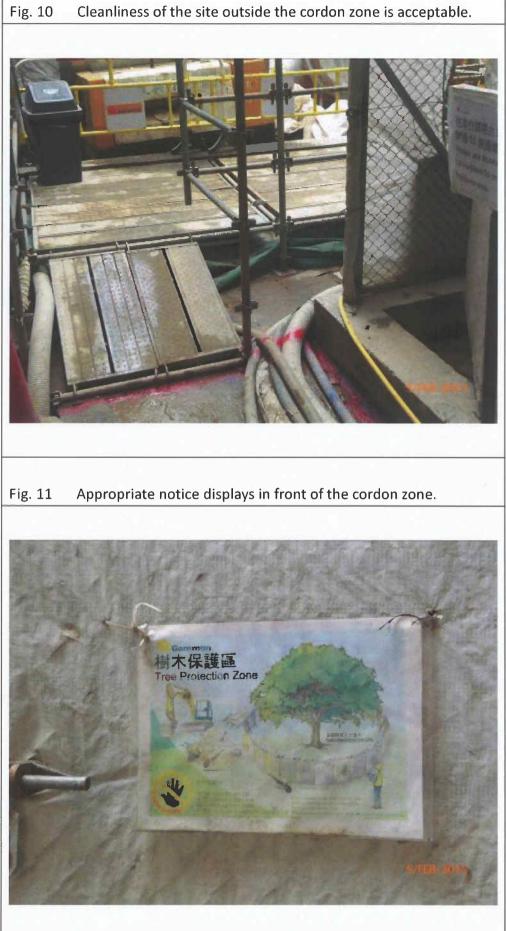


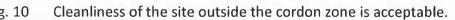














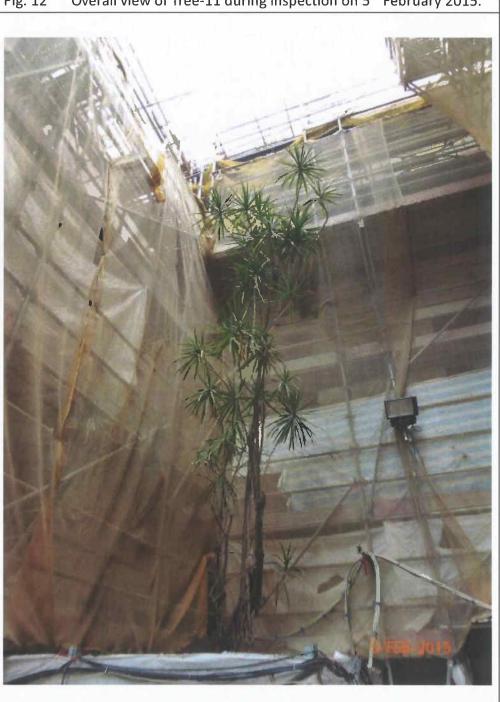


Fig. 12 Overall view of Tree-11 during inspection on 5th February 2015.

Signature of Inspection Officer : (Mr. LAU Man-chung, ISA CA–HK0050A) Signature of Endorsement Officer : (Mr. WONG Pak-hay, Contract Manager)

Name of Contractor :

Dated this :

Yan Wing (HK) Environment Management Ltd



28th February 2015

Annex K

Environmental Complaint, Environmental Summons and Prosecution Log

Reporting Month	Number of Complaints in Reporting Month	Number of Summons/Prosecutions in Reporting Month
November 2011	0	0
December 2011	0	0
January 2012	0	0
February 2012	0	0
March 2012	4	0
April 2012	0	0
May 2012	0	0
June 2012	2	0
July 2012	1	0
August 2012	0	0
September 2012	0	0
October 2012	0	0
November 2012	2	0
December 2012	0	0
January 2013	0	0
February 2013	1	0
March 2013	1	0
April 2013	0	0

Annex K Cumulative Complaint and Summons/Prosecutions Log

ENVIRONMENTAL RESOURCES MANAGEMENT

Reporting Month	Number of Complaints in Reporting Month	Number of Summons/Prosecutions in Reporting Month
May 2013	0	0
June 2013	0	0
July 2013	0	0
August 2013	0	0
September 2013	0	0
October 2013	0	0
November 2013	0	0
December 2013	0	0
January 2014	2	0
February 2014	1	0
March 2014	1	0
April 2014	1	0
May 2014	0	0
June 2014	0	0
July 2014	2	0
August 2014	3	0
September 2014	2	0
October 2014	1	0
November 2014	0	0

Reporting Month	Number of Complaints in Reporting Month	Number of Summons/Prosecutions in Reporting Month
December 2014	0	0
January 2015	0	0
February 2015	1	0
Overall Total	25	0

ENVIRONMENTAL RESOURCES MANAGEMENT





賽馬會文物保育有限公司 The Jockey Club CPS Limited

ATKINS

Central Police Station Conservation and Revitalisation Project



COMPLAINT INVESTIGATION REPORT

Basic Information of Complaint

Log Number:	2015/02/001
Date of Complaint Received	17 February 2015
Location of Complaint	Project Site
Nature of Complaint	Dust nuisance
Complaint Received by	Environmental Protection Department (EPD)
Complainant	-

Details of Complaint

EPD received a complaint on dust nuisance on 16 February 2015. The complaint was transferred to the Project's Environmental Team on 17 February 2015. The complainant mentioned that construction dust was emitted from the CPS Project Site and affected nearby roads and vehicles on 16 February 2015.

Investigation Report

- According to the information provided by the Contractor, construction works that were carried out on 16 February 2015 1. include façade cleaning, indoor fixing and concreting. These activities are not expected to generate fugitive dust. Construction activities such as rock breaking and excavation works that have the potential to cause fugitive dust emissions were not carried out on 16 February 2015.
- Weekly construction dust monitoring (i.e. 1-hour Total Suspended Particulates (TSP)) is conducted at identified 2. monitoring stations, one on each side facing the CPS Project Site. TSP monitoring was carried out on 17 February 2015 and the results showed compliance with the Action and Limit Levels for TSP.
- 3. It can be concluded that the emissions of construction dust did not originate from the CPS Project Site.

Mitigation Measures and Follow-up Actions Recommended to Contractor

All construction works are carried out strictly following the necessary requirements specified in EIA, EM&A Manual, EMP, Method Statements, General and Particular Specifications of this Project. No specific mitigation measures or follow-up actions are required from the Contractor.

Date of File Closed :

4 March 2015

Approved by:

ET Leader

IEC

JCCPS's Representative Rocco Design Architect's Representative

(Name: CW Sham) Date: 11 Mon 2015

(Name: CHARLE

Date: 11 March 2015

Gammon's Representative

(Name: Winnie Ko)

Date: 4 March 2015



(Name: CUTT LEINE Date: 7015.03.05 (Name: Sharifah Or) Date: 5 March 2015

2

Annex L

Records of Vibration Monitoring for Piling works





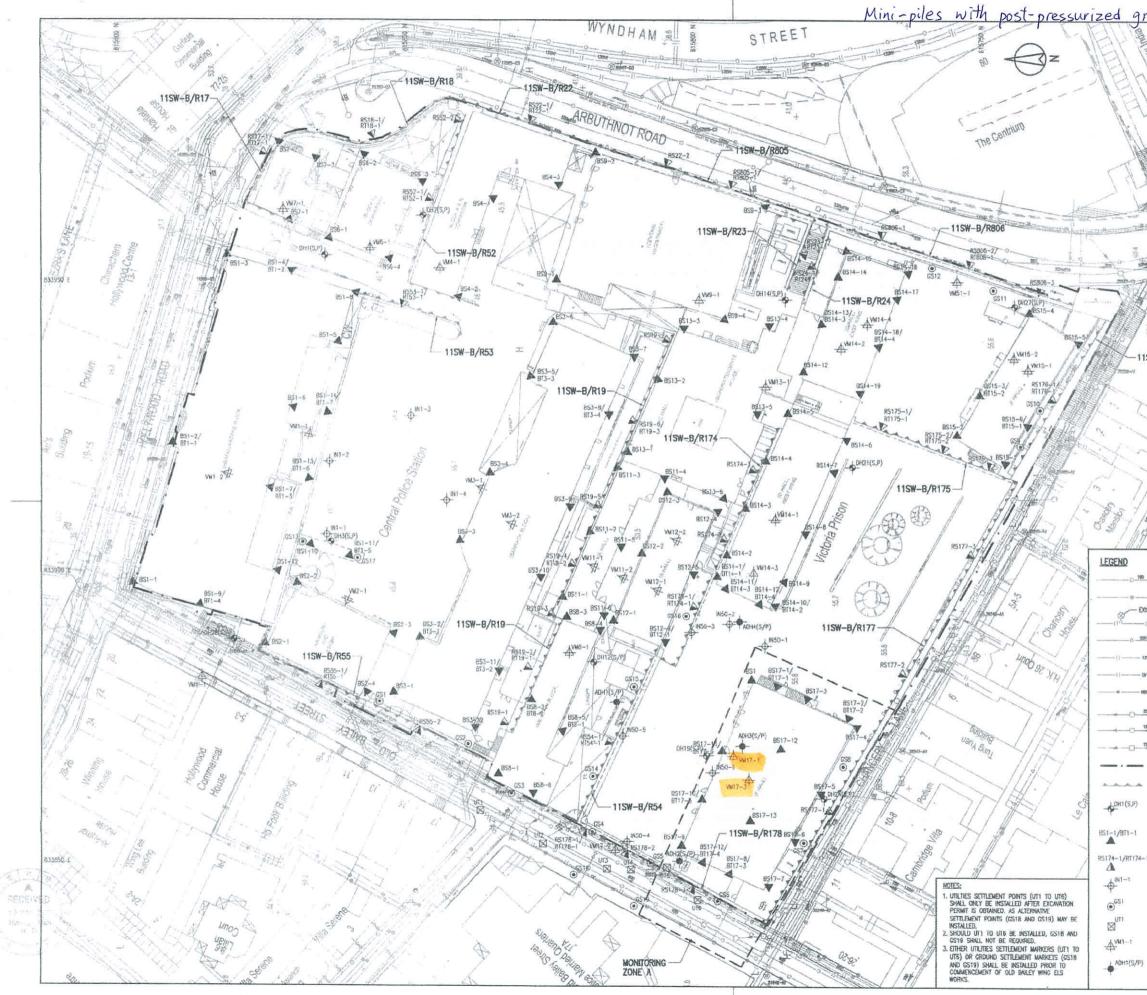
Vibration Monitoring Record (February)

		Parade Ground									
Point	VM1-1	VM1-2	VM2-1	VM3-1	VM3-2						
Date	mm/s	mm/s	mm/s	mm/s	mm/s						
01-Feb-15		Sunday									
02-Feb-15	0.108	0.121	0.120	0.169	0.114						
03-Feb-15	0.116	0.102	0.108	0.125	0.104						
04-Feb-15	0.128	0.105	0.112	0.151	0.109						
05-Feb-15	0.104	0.105	0.117	0.130	0.110						
06-Feb-15	0.117	0.112	0.109	0.118	0.103						
07-Feb-15	0.115	0.103	0.118	0.165	0.141						
08-Feb-15		-	Sunday		-						
09-Feb-15	0.137	0.105	0.115	0.133	0.109						
10-Feb-15	0.112	0.109	0.152	0.117	0.103						
11-Feb-15	0.125	0.110	0.103	0.145	0.111						
12-Feb-15	0.103	0.096	0.110	0.128	0.105						
13-Feb-15	0.137	0.102	0.122	0.129	0.114						
14-Feb-15	0.122	0.118	0.105	0.100	0.103						
15-Feb-15			Sunday								
16-Feb-15	0.120	0.114	0.108	0.115	0.108						
17-Feb-15	0.172	0.101	0.102	0.138	0.095						
18-Feb-15			Site Close								
19-Feb-15		I	Public Holida	у							
20-Feb-15		I	Public Holida	у							
21-Feb-15		I	Public Holida	у							
22-Feb-15			Sunday								
23-Feb-15			Site Close								
24-Feb-15			Site Close								
25-Feb-15	0.153	0.086	0.098	0.107	0.082						
26-Feb-15	0.116	0.104	0.084	0.151	0.103						
27-Feb-15	0.120	0.118	0.100	0.126	0.110						
28-Feb-15	0.106	0.092	0.103	0.112	0.096						

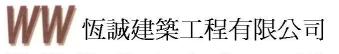


Block & at Pile Works SO Rel IN SHEDKAS - ED SJEARSSION 12/11 29985 Shiu King Court 000 Plan Approved 9500 tis NG Kin-shing Chill Structural Engineer for BUILDING AUTHORITY 20 FEB 2012 2.54 Key Plan 常引四 - 115W-B/R176 BD SUBMISSION Drawing Status 製图狀況 - This many and co mains been at \$c o of sky of conducts 本文社及代史書的語言が知られて知知られたら。 EWAY KIN X 4월2021 NYDERE OF HUSSEN NYDERED No son of the drawing and the design conserved here a style regradued when of the prior action conserved relevant consultants 고요 (1010년(1012) 자신은, 자유산성관관관위등 등 위장(1011년) Ou mi lake seaso as only in Which TEELFERRI. Cod and only alderertoors on Site EXISTING FRESH WATER WAIN Rest Rest groups a convertion with the specific and a mixer where it among RESERVICE RELIGIONS - FREE RESERVICE RELIGIONS of any EXISTING SALT WATER WAN - EXISTING STREET LIGHTING NO. 33488-A1 normany builters Breachtricel, edigerents DUSTING STREET LIGHTING CABL len III RUAZORATIRAN Ibe Jacker Clab CIS Lielted EXISTING GAS MAIN DUSTING HY ELECTRICITY CABLE EXISTING LY ELECTROITY CABLE HERZOG GDE MEURON EDISTING TELECOMMUNICATION DUCT trefthy anima HUTCHISON GLOBAL COMMUNICATION LAMITED) EXISTING STORMWATUR DRAIN Vanders Arrindert \$ 25 ROCCO 许尔 14 EXISTING FOUR SEWER PROPOSED FOLK SEWER E & M Engine Suvaural Engineer / RSE R. JRP STE DOUNDARD ARUP DUSTING RETAINING WALL Project INEL CENTRAL POLICE STATION CONSERVATION AND REVITALISATION PROJECT FXCSTING ORIHINGEF WITH STANDFIPE/PEZOWETER Drawing Takes MONITORING LAYOUT PLAN PROPOSED BURLOWC SETTLEMENT POINTS/TR_TWETER PROPOSED RETAINING WALL SETTLEMENT PORTS/TILTMETER Scale LER Draven S.E. PROPOSED INCLINOUETER TO BE FAINT IN TECTED FILE WALL OL IPIPE FILE WALL KCLd 1:3000A1 00-0AP209674-G-001 PROPOSED GROUND SETTLEMENT PORITS PROPOSED LITELY MONTORING PODITS PROPOSED VERATION MONITORING POINTS PROPOSED ADDITIONAL DEALHOLE Cost fire : 00-04/209571-G-001.049

								(Block 8 Fo	undation)	
WW 12	医龈炎	聿筑 丁和	沒有限公			Monitorin	g Check Pts.		Trigger Levels	
								Alert level	Alarm level	Action level
Win Win W	ay Col	nstruction	n Company	Ltd.			Monitoring	2mm/s	2.5mm/s	3mm/s
							largest span of ructural level	5.0mm/s	6.0mm/s	7.5mm/s
				,	/ibration R	lecord				
Project Title: Cer	ntral Poli	ice Station Co	onservation & F	Revitalization		Project No: W	VP201	1-Feb-2015	to	28-Feb-201
POINT		VM8-1	VM11-1#	VM11-2						
DATE	PD/(m)	mm/s	mm/s	mm/s						
19-Jun-2012 (Init		0.56	0.13	0.19		1	1			
1-Feb-2015					_	Sunday				
2-Feb-2015		0.10	0.13	0.12						
3-Feb-2015		0.11	0.11	0.12						
4-Feb-2015		0.15	0.14	0.11						
5-Feb-2015		0.13	0.11	0.11						
6-Feb-2015		0.11	0.11	0.12						
7-Feb-2015		0.12	0.10	0.11						
8-Feb-2015						Sunday				
9-Feb-2015		0.10	0.11	0.14						
10-Feb-2015		0.10	0.15	0.11						
11-Feb-2015		0.17	0.12	0.10						
12-Feb-2015		0.11	0.12	0.11						
13-Feb-2015		0.12	0.13	0.11						
14-Feb-2015		0.14	0.13	0.12						
15-Feb-2015						Sunday	-			
16-Feb-2015		0.11	0.11	0.15						
17-Feb-2015		0.11	0.12	0.10						
18-Feb-2015						Site Close				
19-Feb-2015					Pu	ıblic Holiday				
20-Feb-2015					Pu	ıblic Holiday				
21-Feb-2015					Pu	ıblic Holiday				
22-Feb-2015						Sunday				
23-Feb-2015						Site Close				
24-Feb-2015						Site Close				
25-Feb-2015		0.13	0.12	0.11						
26-Feb-2015		0.11	0.11	0.13		1	1			
27-Feb-2015		0.12	0.10	0.10		1	1			
28-Feb-2015		0.13	0.10	0.09	Ì				ľ	



Mini-piles with post-pressurized grout in CDG and steel shear H-piles at Block 1, D SUBMISSION RD SUGMISSION B BD SUSMISSION Shou King Calif 10-1 Plas Approved NG Kun-shing Chief Structural Engineer for BCILLINNG ALTCHORITO 1 9 MAR 2012 lay Plan 索引導 11SW-B/R176 BD SUBMISSION wing Blatux 對顯狀況 ゼロlistant Lonsibless。 主義法以外の小力支援基利部和明白1 remains optionants. 未加有機範疇合同實動阿爾。卡德皮解此機械 出版或如約 的mit Like meansaments 的导致转动器系上重要的 Check and while a4 dimensions on sa 所有尺寸必須加工地領導者參加單核. EXISTING FRESH WATER MAD and an other related scoreigh 素羅是心思與現俗說何喜及其它介張講師一座認識。 EXISTING SALT WATER MAIN STREET LIGHTING NO. 33488-A1 EXISTING TRUES & BORNAN DUSTING STREET LIGHTING CABLE Chent @ 1 EXISTING GAS MAIN 唐馬會文物從直有關公司 Jovan Carl US Listin XUSTING HV ELECTRICITY CASEE EXISTING LY ELECTRICITY CABLE HERZOG&DEMEURON EXISTING TELECOMMUNICATION DUCT (HUTCHISON G OBAL COMMUNICATIONS LIMITED) EXISTING STORMWATER DRAIN ROCCO 许纳严 EXISTING FOUL SEWER PROPOSED FOLL SEWER 三古鮮王的 R. JRP STIE BOUNDAR ARUP EXISTING RETAINING WALL Project 251 CENTRAL POLICE STATION CONSERVATION AND REVITALISATION PROJECT EXISTING DRILLHOLE WITH STANDPIPE/PIEZOMETER Drawing Title EA MONITORING LAYOUT PLAN PROPOSED BUILDING SETTLEMENT POINTS/TRUTMETER PROPOSED RETAINING WALL SETTLEMENT POINTS/TRUTMETER Chann 90 PROPOSED INCLINOMETER TO BE BUILT IN BORIED PILE WALL OR PIPE PILE WALL 1:300041 K.C.Lei 00-0AP209674-G-001 B PROPOSED GROUND SETTLEMENT POINTS PROPOSED UTILITY MONITORING POINTS PROPOSED VERATION MONITORING POINTS PROPOSED ADDITIONAL DRILLHOLE Cat Sis : 00-434P209674-G-601.dwg



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27-Feb-2015

28-Feb-2015

								(Block 17 Fo	undation Works	;)
						M			Trigger Levels	
	WWW 恆誠建築工程有限公司 Win Win Way Construction Company Ltd.						Monitoring Check Pts.		Alarm level	Action level
							Monitoring	2mm/s	2.5mm/s	3mm/s
Win Win							largest span of actural level	5.0mm/s	6.0mm/s	7.5mm/s
				V	ibration R	ecord				
Project Title: C	entral Poli	ice Station Co	onservation & R			Project No: V	WP201	1-Feb-2015	to	28-Feb-2015
5						5				
POINT		VM17-1	VM17-3 #							
DATE	PD/(m)	mm/s	mm/s							
19-Jun-2012 (I	(nitial)	0.13	0.37							
Surveying Date										
1-Feb-2015				•		Sunday	•	•	•	•
2-Feb-2015		0.10	0.09							
3-Feb-2015		0.10	0.09							
4-Feb-2015		0.10	0.08							
5-Feb-2015		0.10	0.10							
6-Feb-2015		0.13	0.08							
7-Feb-2015		0.11	0.09							
8-Feb-2015				•		Sunday	•	•	•	
9-Feb-2015		0.17	0.11							
10-Feb-2015		0.11	0.08							
11-Feb-2015		0.12	0.10							
12-Feb-2015		0.12	0.11							
13-Feb-2015		0.12	0.10							
14-Feb-2015		0.11	0.14							
15-Feb-2015						Sunday				
16-Feb-2015		0.11	0.09							
17-Feb-2015		0.10	0.08							
18-Feb-2015			-	-		Site Close	-	-	-	-
19-Feb-2015					Pu	blic Holiday				
20-Feb-2015					Pu	blic Holiday				
21-Feb-2015					Pu	blic Holiday				
22-Feb-2015						Sunday				
23-Feb-2015						Site Close				
24-Feb-2015						Site Close				
25-Feb-2015		0.10	0.07							
26-Feb-2015		0.11	0.08							
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1 /3)	KWAN KIN KEI CEng FISmeels MICE EDER ABOISTENED STRUCCHAL ENOR	of relevant consultants. 本關紙及其內省的成星屬有關範間公司所有。 - No part of the drawing and the design contained herein
11	REGISTERED STRUCT RAL ENGRAPHICA	may be reproduced without the prior written consent of relevant concultance. 未经有關請問公司書面同意。不得複製此圖紙內任何
		內容或設計。 - Do not take measurements directly from this drawing 切勿直接從圓底上量度尺寸。
0-100	EXISTING FRESH WATER MAIN	 Check and verify all dimensions or site. 所有尺寸必須在工地現場複查及審核。 Read this drawing in conjunction with the specifications
©	EXISTING SALT WATER MAIN	and all other related drawings. 此圈話必须與現格說明書及其它有關圈紙一併閱讀。 - Notify the relevant consultants immediately of any
- LAIST	EXISTING STREET LIGHTING CAELE	discrepancy found herein. 如發現內容有任何謬誤之處。應立刻通知有讚願問公司。
ê) 150	EXISTING GAS WAIN	Client 菜主 賽馬會文物保有有限公司
- 1330	EXISTING HV ELECTRICITY CABLE	The Jockey Club CPS Limited
1.9	EXISTING LV ELECTRICITY CABLE	
HZ -	(HUTCHISON GLOBAL COMMUNICATIONS	Conservation Architect
C	LIMITED) EXISTING STORNWATER DRAIN	Executive Architect / AP
150	EXISTING FOUL SEWER	ROCCO
15]	PROPOSED FOUL SEWER	Structural Engineer / RSE E & M Engineer
	SITE BOUNDARY	ARUP ARUP
1.00	EXISTING RETAINING WALL	Project 項目 CENTRAL POLICE STATION
,P)	EXISTING DRILLHOLE WITH STANDPIPE/PIEZOMETER	CONSERVATION AND REVITALISATION PROJECT
-1	PROPOSED BUILDING SETTLEMENT POINTS/TILTMETER	Drawing Title III名 MONITORING LAYOUT PLAN
174-1	PROPOSED RETAINING WALL SETLEMENT POINTS/THEIMETER	
	PROPOSED INCLINOMETER TO BE BALLT IN	Scale HERM Drawn NUM Checked KER 1:3000A1 K.C.Loi AL
	BORED PILE OR FIPE PILE WALL PROPOSED GROUND SETTLEMENT POINTS	Drawing No. 国弦 Revision 你说能 00-0AP209674-G-001 -
	PROPOSED UTILITY WONITORING POINTS	
Û.	PROPOSED VIBRATION MONITORING POINTS	
(S/P)		
1.11	PROPOSED ADDITIONAL DRILLHOLE	



28-Feb-2015

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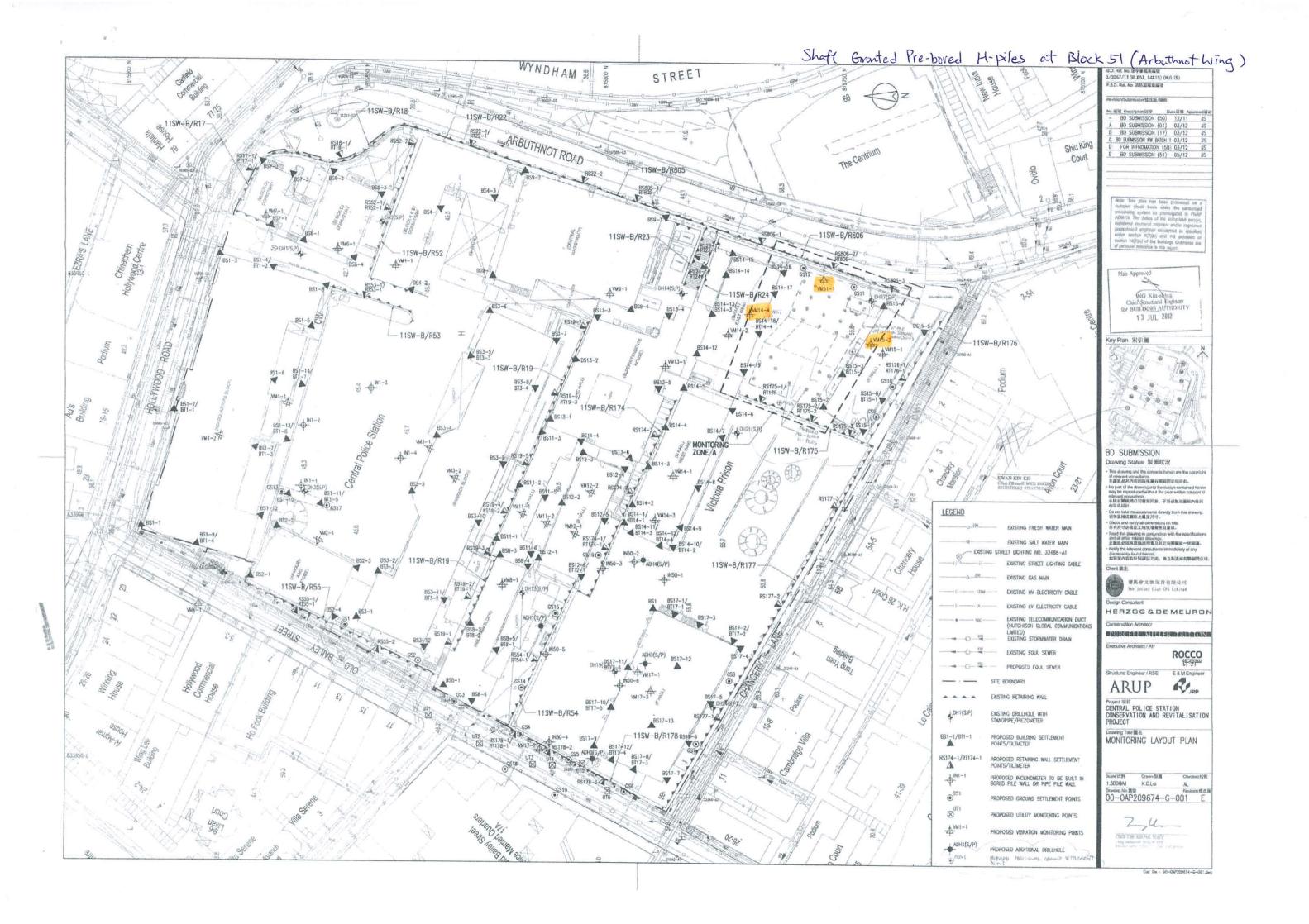
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14/14							(Bore	d Pile Walls / Pip	e Pile Walls at E	Block 50)
VV VI	/ 恆	誠建築_	L程有限	公司		Monitoring	Check Pts		Trigger Levels	
						Womtoring	CHECK I IS.	Alert level	Alarm level	Action level
win wi	n way	Construct	tion Compa	ny Ltd.			Monitoring	2mm/s	2.5mm/s	3mm/s
							largest span of actural level	5.0mm/s	6.0mm/s	7.5mm/s
					Vibration	Record				
Project Title:	Central H	Police Station	Conservation &	k Revitalizatio	n	Project No: W	P201	1-Feb-2015	to	28-Feb-2015
POINT		VM8-1	VM11-1#	VM11-2	VM12-1#	VM12-2	VM14-3	VM17-1	VM17-2	VM17-3 #
DATE	PD/(m)	mm/s	mm/s	mm/s	mm/s	mm/s	mm/s	mm/s	mm/s	mm/s
19-Jun-2012 (· · · · · · · · · · · · · · · · · · ·	0.56	0.13	0.19	0.22	0.13	0.21	0.13	0.13	0.37
Surveying Date										
1-Feb-2015					•	Sunday				
2-Feb-2015		0.10	0.13	0.12	0.10	0.11	0.13	0.10	0.11	0.09
3-Feb-2015		0.11	0.11	0.12	0.11	0.11	0.13	0.10	0.11	0.09
4-Feb-2015		0.15	0.14	0.11	0.11	0.10	0.14	0.10	0.09	0.08
5-Feb-2015		0.13	0.11	0.11	0.10	0.14	0.12	0.10	0.10	0.10
6-Feb-2015		0.11	0.11	0.12	0.12	0.10	0.11	0.13	0.10	0.08
7-Feb-2015		0.12	0.10	0.11	0.11	0.10	0.13	0.11	0.10	0.09
8-Feb-2015						Sunday				
9-Feb-2015		0.10	0.11	0.14	0.12	0.11	0.12	0.17	0.13	0.11
10-Feb-2015		0.10	0.15	0.11	0.11	0.10	0.12	0.11	0.10	0.08
11-Feb-2015		0.17	0.12	0.10	0.12	0.11	0.16	0.12	0.10	0.10
12-Feb-2015		0.11	0.12	0.11	0.10	0.10	0.11	0.12	0.15	0.11
13-Feb-2015		0.12	0.13	0.11	0.11	0.11	0.13	0.12	0.12	0.10
14-Feb-2015		0.14	0.13	0.12	0.12	0.10	0.14	0.11	0.13	0.14
15-Feb-2015					•	Sunday				
16-Feb-2015		0.11	0.11	0.15	0.13	0.10	0.15	0.11	0.11	0.09
17-Feb-2015		0.11	0.12	0.10	0.13	0.10	0.11	0.10	0.09	0.08
18-Feb-2015						Site Close				
19-Feb-2015					P	ublic Holiday				
20-Feb-2015						ublic Holiday				
21-Feb-2015					P	ublic Holiday				
22-Feb-2015						Sunday				
23-Feb-2015						Site Close				
24-Feb-2015	ļ		1			Site Close		1		1
25-Feb-2015		0.13	0.12	0.11	0.12	0.10	0.12	0.10	0.09	0.07
26-Feb-2015		0.11	0.11	0.13	0.11	0.10	0.15	0.11	0.10	0.08
27-Feb-2015		0.12	0.10	0.10	0.10	0.09	0.11	0.10	0.08	0.08



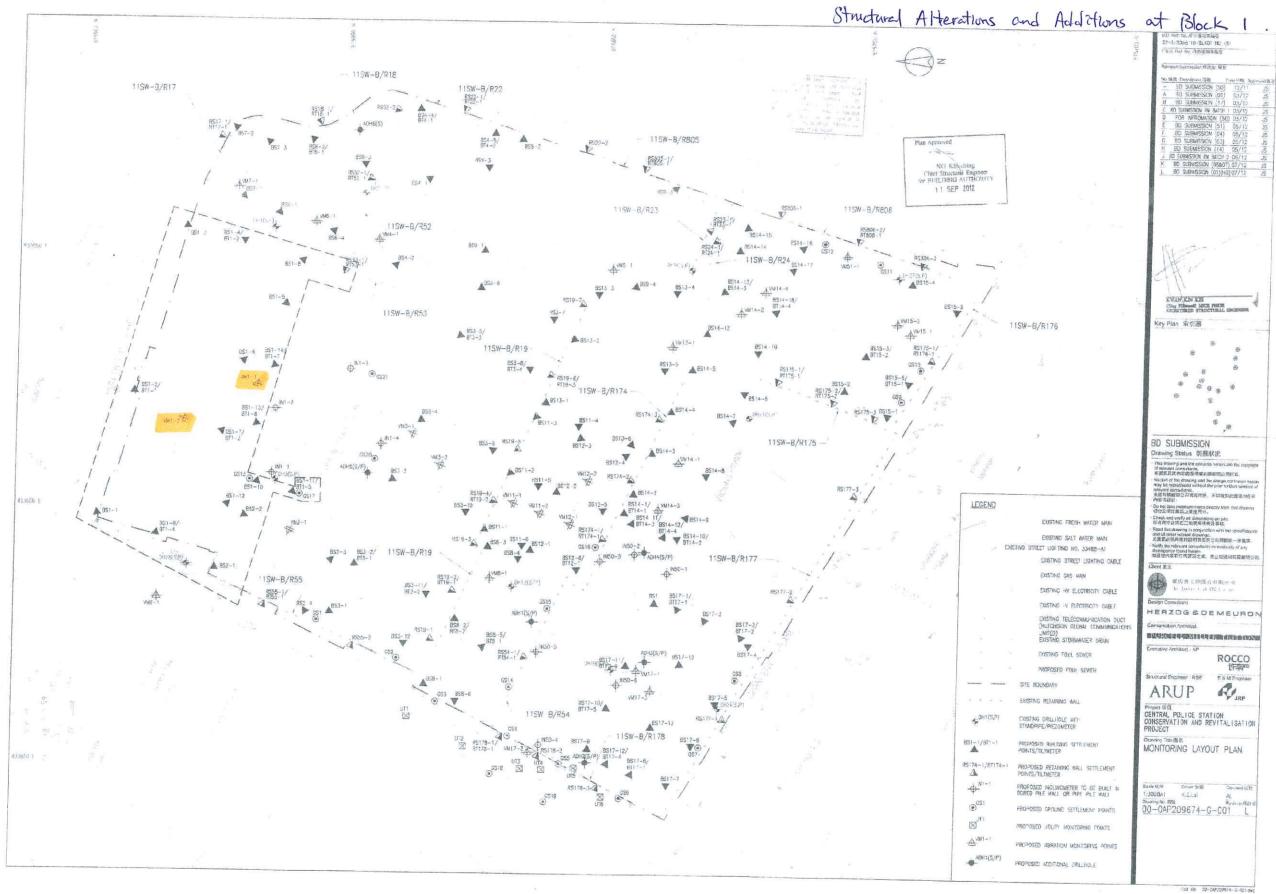
A/M	相計	7曲符丁	程有限公	て三		Monitoring C	beek Dte		Trigger Levels	3
AA AA	互顽	建采工	任有1132	スロ			HECK I IS.	Alert level	Alarm level	Action level
					Vibrating Mo	onitoring	2mm/s	2.5mm/s	3mm/s	
	255		n Company	V	ibration					
roject Title:	Central	Police Statio	n Conservation	a & Revitalization	n Proje	ect No: WP201		1-Feb-2015	to	28-Feb-2015
POINT		VM14-4	VM15-2	VM51-1						
DATE	PD/(m)	mm/s	mm/s	mm/s						
03-Dec-2012 (Initial)	0.14	0.21	0.3						
1-Feb-2015						Sunday				
2-Feb-2015		0.10	0.12	0.11						
3-Feb-2015		0.11	0.11	0.14						
4-Feb-2015		0.11	0.12	0.13						
5-Feb-2015		0.11	0.11	0.12						
6-Feb-2015		0.10	0.12	0.11						
7-Feb-2015		0.11	0.13	0.16						
8-Feb-2015	-					Sunday				•
9-Feb-2015		0.12	0.13	0.13						
10-Feb-2015		0.10	0.11	0.11						
11-Feb-2015		0.11	0.11	0.17						
12-Feb-2015		0.11	0.13	0.15						
13-Feb-2015		0.11	0.11	0.15						
14-Feb-2015		0.10	0.12	0.10						
15-Feb-2015	I			1		Sunday		T		
16-Feb-2015		0.11	0.11	0.11						
17-Feb-2015		0.10	0.11	0.15						
18-Feb-2015						Site Close				
19-Feb-2015						ublic Holiday				
20-Feb-2015						ublic Holiday				
21-Feb-2015					Pi	ublic Holiday				
22-Feb-2015						Sunday				
23-Feb-2015						Site Close				
24-Feb-2015		0.00	0.12	0.12		Site Close		I		
25-Feb-2015		0.09	0.12	0.12						
26-Feb-2015		0.11	0.14	0.13						
27-Feb-2015		0.10	0.11	0.11						

Annex M

Records of Vibration Monitoring for Other Construction Works



14/14		- b - t. f.f.		L+				(Block 14 Str	uctural A&A)		
	物	誠建築	工程有限	艮公司		Monitoring	Chaok Dto	Trigger Levels				
						Monitoring Check Pts.		Alert level	Alarm level	Action level		
WIN WI	n Way	y Constru	ction Comp	any Ltd.		Vibration Monitoring # Vibration at largest span of highest Structural level		2mm/s	2.5mm/s	3mm/s		
								5.0mm/s	6.0mm/s	7.5mm/s		
				r	Vibration 3	Record						
Project Title:	Central	Police Station	Conservation	& Revitalizatio	n Projec	ct No: WP201		1-Feb-2015	to	28-Feb-2015		
						1						
POINT		VM14-1#	VM14-2 #	VM14-3	VM14-4							
DATE	PD/(m)	mm/s	mm/s	mm/s	mm/s							
19-Nov-12 (In	nitial)	0.103	0.112	0.147	0.136	1						
1-Feb-2015				·		Sunday				•		
2-Feb-2015		0.10	0.11	0.13	0.10							
3-Feb-2015		0.12	0.12	0.13	0.11							
4-Feb-2015		0.10	0.12	0.14	0.11							
5-Feb-2015		0.13	0.11	0.12	0.12							
6-Feb-2015		0.11	0.10	0.11	0.10							
7-Feb-2015		0.11	0.12	0.13	0.11							
8-Feb-2015						Sunday		•				
9-Feb-2015		0.10	0.12	0.12	0.12							
10-Feb-2015		0.12	0.11	0.12	0.10							
11-Feb-2015		0.11	0.11	0.16	0.11							
12-Feb-2015		0.10	0.13	0.11	0.11							
13-Feb-2015		0.09	0.11	0.13	0.11							
14-Feb-2015		0.12	0.11	0.14	0.10							
15-Feb-2015	ļ <u> </u>					Sunday						
16-Feb-2015		0.10	0.12	0.15	0.11							
17-Feb-2015		0.09	0.11	0.11	0.10							
18-Feb-2015						Site Close						
19-Feb-2015						ıblic Holiday						
20-Feb-2015						ıblic Holiday						
21-Feb-2015					Ρι	ıblic Holiday						
22-Feb-2015						Sunday						
23-Feb-2015						Site Close						
24-Feb-2015				•		Site Close	1	-		1		
25-Feb-2015		0.08	0.12	0.12	0.09							
26-Feb-2015		0.09	0.17	0.15	0.11							
27-Feb-2015		0.10	0.13	0.11	0.10							
28-Feb-2015		0.08	0.11	0.13	0.11							



Structural Additions and



0	Ilterations at 13	B.D. Ref. No 原字碧棕紫晶號
en India	10058	22-3/3066/10/BLK11(HU)(S) F.S.D. Ref No. 消防原復築編號
Nag	Site .	Revision/Submission 性较粒/极批
Fr		No.编弦 Description 說明 Date 日界 Approved畫
11	5.	- BD SUBMISSION (50) 12/11 JS A BD SUBMISSION (01) 03/12 JS
14	q	B BC SUBMISSION (17) 03/12 JS C BD SUBMISSION RW BATCH 1 03/12 JS
	Shiru King	D FOR INFROMATION (50) 03/12 JS E BD SUBMISSION (51) 05/12 JS
1	Court	F BD SUBMISSION (04) 05/12 JS
N		H BD SUBMISSION (14) 05/12 JS
-otto		J BD SUBMISSION RW BATCH 2 06/12 JS K BD SUBMISSION (06&07) 07/12 JS
		L BD SUBMISSION (01)(HQ)07/12 US M BD SUBMISSION (11) 07/12 US
2	All in the second	
Arr.	175 - W1 17 - W	
	THE REPORT	the state of the
1	2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	
550-51		Plan Approved
11		CHIONG Kam-yueng Jacky
	No.	Chief Structural Engineer for BUILDING AUTHORITY
12	81	- 3 OCT 2012
19	Ce.	
11SV	/-B/R176	Key Plan 索引圖 N
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1	AN	
11	T	BD SUBMISSION
14	E Martin Star	Drawing Status 裂麗狀況 This drawing and the contents berein are the copyright
19	KWAN KIN KEI CLAS FISHME MICE PHKIE BEOSTERED STRUCTURAL ENGINEER	of relevant consultants。 本確能及其內容的版權屬有關關問公司所有。
97	14 8	 No part of the drawing and the design contained herein may be reproduced without the pror written consent of relevant consultants. 未詳有詞解問公司書面回意。不得也製此圓紙內任何
		「内容既投計 - Do not take measurements directly from this crawing.
100	EXISTING FRESH WATER MAIN	切勿直浪從審紙上量度尺寸。 Check and vorify all dimensions on site 研有尺寸必须在工地現場抱意及審核。
	EXISTING SALT WATER MAIN	 Read this drawing in conjunction with the specifications and all other related drawings.
EXISTI	NG STREET LIGHTING NC. 33488-A1	此置統必須與契格設明實及其它有關團紙一併相議。 - Notify the relevant consultants immediately of any discrepancy found iterian, 約發現內容有任何課版之處。應立對通知有關期間公司。
-11-		刻發現內容有任何詳談之處。應立創還加有關範疇公司。 Client 要主
250	EXISTING GAS MAIN	Glan 要是 賽馬會文物保育有限公司
13264	EXISTING HV ELECTRICITY CABLE	The Jorkey Club CP Limited
LV	EXISTING LY ELECTRICITY CABLE	Design Consultant
нас -	EXISTING TELECOMMUNICATION DUCT	
225	(HUTCHISON GLOBAL COMMUNICATIONS LIMITED) SYISTING STOPLIMATED ODAIN	
150	EXISTING STORYWATER DRAIN	Executive Architect / AP
150	EXISTING FOUL SEWER	ROCCO 许争严
	PROPOSED FOUL SEWER	Structural Engineer / RSE E & M Engineer
	SITE BOUNDARY	ARUP RURP
	EXISTING RETAINING WALL	Project 1213 CENTRAL POLICE STATION
	EXISTING DRILLHOLE WITH STANDPIPE/PIEZOWETER	CONSERVATION AND REVITALISATION PROJECT
	PROPOSED BUILDING SETTLEMENT POINTS/TILTMETER	Drawing Title 署名 MONITORING LAYOUT PLAN
-1	PROPOSED RETAINING WALL SETTLEMENT	
	POINTS/TILTMETER PROPOSED INCLINOMETER TO BE BUILT IN	Scale 분명 Drawn Rain Checked 문화
	BORED PILE WALL OR PIPE PILE WALL	1:300号AI K.C.Lai AL Drawing No.國家 Revision修改派
	PROPOSED GROUND SETTLEMENT POINTS	00-0AP209674-G-001 M
	PROPOSED UTILITY MONITORING POINTS	
	PROPOSED VIBRATION MONITORING POINTS	
2)	PROPOSED ADDITIONAL DRILLHOLE	



Vibration Monitoring Record (February)

	Block 1		Block 2	ock 2 Block 3		Block 4	Block 6 & 7		Block 9	Bloc	k 11	Block 12		Block 13	Block 15	
Point	VM1-1	VM1-2	VM2-1	VM3-1	VM3-2	VM4-1	VM6-1	VM7-1	VM9-1	VM11-1	VM11-2	VM12-1	VM12-2	VM13-1	VM15-1	VM15-2
Date	mm/s	mm/s	mm/s	mm/s	mm/s	mm/s	mm/s	mm/s	mm/s	mm/s	mm/s	mm/s	mm/s	mm/s	mm/s	mm/s
01-Feb-15	Sunday															
02-Feb-15	0.108	0.121	0.120	0.169	0.114	0.110	0.121	0.103	0.195	0.130	0.115	0.102	0.110	0.235	0.105	0.123
03-Feb-15	0.116	0.102	0.108	0.125	0.104	0.161	0.113	0.109	0.121	0.105	0.118	0.113	0.108	0.142	0.141	0.105
04-Feb-15	0.128	0.105	0.112	0.151	0.109	0.105	0.110	0.104	0.109	0.137	0.108	0.111	0.102	0.115	0.129	0.118
05-Feb-15	0.104	0.105	0.117	0.130	0.110	0.126	0.122	0.115	0.102	0.112	0.105	0.103	0.138	0.111	0.117	0.109
06-Feb-15	0.117	0.112	0.109	0.118	0.103	0.112	0.135	0.108	0.111	0.106	0.122	0.120	0.104	0.127	0.112	0.118
07-Feb-15	0.115	0.103	0.118	0.165	0.141	0.109	0.124	0.105	0.105	0.103	0.105	0.108	0.104	0.122	0.163	0.125
08-Feb-15	Sunday															
09-Feb-15	0.137	0.105	0.115	0.133	0.109	0.107	0.106	0.110	0.119	0.109	0.141	0.123	0.108	0.110	0.128	0.130
10-Feb-15	0.112	0.109	0.152	0.117	0.103	0.102	0.154	0.103	0.102	0.150	0.105	0.108	0.101	0.120	0.113	0.112
11-Feb-15	0.125	0.110	0.103	0.145	0.111	0.123	0.115	0.135	0.108	0.123	0.103	0.122	0.113	0.102	0.168	0.110
12-Feb-15	0.103	0.096	0.110	0.128	0.105	0.115	0.132	0.109	0.120	0.117	0.105	0.103	0.101	0.105	0.150	0.128
13-Feb-15	0.137	0.102	0.122	0.129	0.114	0.120	0.116	0.114	0.113	0.131	0.114	0.111	0.107	0.107	0.144	0.108
14-Feb-15	0.122	0.118	0.105	0.100	0.103	0.119	0.124	0.123	0.136	0.125	0.123	0.122	0.101	0.102	0.125	0.119
15-Feb-15								Su	nday							
16-Feb-15	0.120	0.114	0.108	0.115	0.108	0.103	0.134	0.107	0.105	0.112	0.152	0.128	0.104	0.113	0.106	0.113
17-Feb-15	0.172	0.101	0.102	0.138	0.095	0.112	0.106	0.110	0.100	0.118	0.102	0.127	0.101	0.104	0.154	0.110
18-Feb-15		-	-	-	-	•	•	Site	Close	•	-		-			
19-Feb-15								Public	Holiday							
20-Feb-15	Public Holiday															
21-Feb-15		Public Holiday														
22-Feb-15								Su	nday							
23-Feb-15	Site Close															
24-Feb-15	Site Close															
25-Feb-15	0.153	0.086	0.098	0.107	0.082	0.105	0.110	0.102	0.095	0.121	0.108	0.117	0.098	0.119	0.121	0.119
26-Feb-15	0.116	0.104	0.084	0.151	0.103	0.101	0.107	0.110	0.107	0.107	0.128	0.114	0.101	0.102	0.127	0.137
27-Feb-15	0.120	0.118	0.100	0.126	0.110	0.105	0.106	0.102	0.113	0.103	0.096	0.116	0.105	0.104	0.106	0.112
28-Feb-15	0.106	0.092	0.103	0.112	0.096	0.131	0.110	0.108	0.118	0.103	0.089	0.103	0.156	0.127	0.155	0.115