MONTHLY EM&A REPORT

The Jockey Club CPS Limited

Central Police Station Conservation and Revitalisation Project: Sixteenth Monthly EM&A Report (1 February to 28 February 2013)

Issue Date: March 2013

Environmental Resources Management

16/F

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Issue Date: March 2013

Reference 0095646

| For and on behalf of | | | | |
|----------------------|--------------------------------------|--|--|--|
| ERM-Hong | Kong, Limited | | | |
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| | vironmental Team Leader – Winnie Ko) | | | |
| Date: _ | 11 March 2013 | | | |
| | | | | |

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Date: 13 March 2013

By Email and Post

ERM-Hong Kong Limited, 21/F Lincoin House, 979 King's Road, Taikoo Place, Island East, Hong Kong

Attn: Ms Winnie Ko

Dear Winnie,

Central Police Station Conservation and Revitalization Project Verification of Monthly EM&A Report No.16

We refer to your letter dated 13 March 2013 regarding the Monthly EM&A Report No.16. 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.

Sharifah Or

Independent Environmental Checker

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

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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 sixteenth monthly Environmental Monitoring and Audit (EM&A) report presenting the EM&A works carried out during the period from 1 February to 28 February 2013 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:

- Construction of pipe pile wall and bored pile wall at Old Bailey Wing;
- Ground improvement works at lower ground floor at Block 14;
- Interior demolition of ground floor slab at Block 17;
- General strip out works at Block 1, Block 11 and Block 12;
- Demolition works at Block 1;
- Furniture strip out works at Block 10 and Block 13;
- Construction of pipe pile wall at Parade Ground;
- Strengthening works to the underground tunnel at Block 1; and
- Foundation pile at Arbuthnot Wing.

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 inspection | 1 time |
| • | Landscape & visual monitoring | 1 time |
| • | Tree inspection | 1 time |
| • | Vibration monitoring for trial piling works | 3 times |
| • | Vibration monitoring for pipe pile/bored pile walls piling works | 58 times |
| • | Vibration monitoring for other construction works | 60 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 Limit Level of construction noise was recorded during the reporting period. An exceedance of Action Level of noise (complaint received) was recorded during the reporting period.

Cultural Heritage

20 vibration monitoring measurements were carried out for the construction of pipe pile walls at Parade Ground and Old Bailey Wing (Block 50) at their respective monitoring locations during the reporting period. 18 vibration monitoring measurements were conducted for the shaft grouted pre-bored H-piles at Block 51. Additionally, 3 vibration monitoring measurements were undertaken for the weekly vibration monitoring for trial pile near Block 17.

20 vibration monitoring measurements were undertaken for the structural additions and alteration works at Block 1, Block 8 and Block 14 at their respective monitoring locations during the reporting period.

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

Heritage site audit was conducted on 21 February 2013. Improvement to the maintenance of the protection in Building 1 is required. Also, excessive amount of pigeon guano on first floor of Block 4 was observed. The Contractor was reminded to conduct cleaning of guano regularly.

The follow-up actions recommended in the last site audit have generally been implemented.

Landscape & Visual

Landscape and visual monitoring has commenced since October 2011 on a monthly basis. Tree inspection was conducted on 21 February 2013 by the arborist during the reporting period. Sap flow was observed on the midtrunk of Tree-9 and close monitoring by the Contractor was recommended.

Waste Management

Wastes generated from this Project include inert construction and demolition (C&D) materials and non-inert C&D materials. A total of 945.97 tonnes of inert C&D materials were generated during the reporting period. 177.54 tonnes of non-inert C&D materials comprising general refuse were generated and disposed of at the SENT Landfill. 1,080 kg of metals was produced and sent to recyclers for recycling. No paper/cardboard packaging, plastics waste or chemical waste was generated 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 21 February 2013. Stockpile of concrete debris was observed dry in Block 17 during the site inspection. The Contractor was reminded to spray water to the concrete debris regularly until it is removed to suppress potential fugitive dust.

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

No exceedance of Limit Level of construction noise was recorded at designated monitoring stations during the reporting period. An exceedance of Action Level of noise (complaint received) was recorded 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:

- Construction of bored pile wall and foundation piles at Old Bailey Wing;
- Ground improvement works at lower ground floor at Block 14;
- General strip out works at Block 1, Block 11, Block 12 and Block 14;
- Interior demolition works at Block 1;
- Construction of new reinforced concrete slab at Block 1;
- Underpinning works at Block 1;
- Furniture strip out works at Block 14;
- Break up of concrete slab at Parade Ground; and
- Construction of foundation pile at Arbuthnot Wing, Block 8 and Block 17.

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 sixteenth EM&A report which summarises the impact monitoring results and audit findings for the EM&A programme during the reporting period from 1 February to 28 February 2013.

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 weekly 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 PROJECT INFORMATION

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*.

Table 2.1 Summary of Construction Activities Undertaken from 1 February to 28 February 2013

Construction Activities Undertaken

- Construction of pipe pile wall and bored pile wall at Old Bailey Wing;
- Ground improvement works at lower ground floor at Block 14;
- Interior demolition of ground floor slab at Block 17;
- General strip out works at Block 1, Block 11 and Block 12;
- Demolition works at Block 1;
- Furniture strip out works at Block 10 and Block 13;
- Construction of pipe pile wall at Parade Ground;
- Strengthening works to the underground tunnel at Block 1; and
- Foundation pile at Arbuthnot Wing.

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*.

Table 2.2 Summary of Environmental Licensing, Notification and Permit Status

| 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> Pollution Control (Construction Dust) Regulation | 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> | - | Throughout the Contract | EPD's letter (EPD's ref.: (5) in EPAC/A/4/000/23 3 II) dated 2 |

| Permit/ Licences/ Notification | Reference | Validity Period | Remarks |
|---|--------------|---|---|
| Pollution Control Ordinance | | | December 2011 satisfied that the content of the asbestos abatement plan (Report No.: 0210/11/ED/0078A) 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/4/000/23 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 | - |
| | GW-RS1301-12 | 2 January 2013 at 1900 hours to 29 June 2013 at 2300 hours | - |
| | GW-RS0084-13 | 24 January 2013 at 1900 hours to 29 June 2013 at 0700 hours | - |
| | GW-RS0113-13 | 1 February 2013 at 0200 hours to 31 May 2013 at 0400 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 3.1 Construction 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 3.2 Noise Monitoring Equipment

| Monitoring Stations | Monitoring Equipment (Sound Level Meter and Calibrator) |
|---------------------|---|
| NM2, NM6 | <u>Calibrator</u> Rion NC-73 (S/N 10786708) |
| | Sound Level Meter |
| | Rion NL-31 (S/N 00603867) |

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:

- a) Acceptable Noise Levels for Area Sensitivity Rating of A/B/C. Limit Level is reduced to 70dB(A) for schools and 65dB(A) during school examination periods.
- b) If works are to be carried out during restricted hours, the 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.

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 monitoring location is shown in *Annex L*. 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 3.4 Alert, 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 3.5 Event and Action Plan for Vibration Monitoring

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

4 IMPLEMENTATION STATUS ON ENVIRONMENTAL PROTECTION REQUIREMENTS

The Contractor has generally implemented the environmental mitigation measures 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 4.1 Status of Required Submissions

| Submission | | Submission Date |
|---------------|-------------------------------|-----------------|
| EP Condition | | |
| Condition 3.4 | Fifteenth Monthly EM&A Report | 8 February 2013 |

MONITORING RESULTS

5.1 Noise

5

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 Limit Level of construction noise was recorded during the reporting period. An exceedance of Action Level of noise (complaint received) was recorded during the reporting period. The investigation was carried out and findings are presented in *Section 7.4*.

5.2 CULTURAL HERITAGE

5.2.1 Vibration Monitoring

20 vibration monitoring measurements were carried out for the construction of pipe pile walls at Parade Ground and Old Bailey Wing (Block 50) at their respective monitoring locations during the reporting period. 18 vibration monitoring measurements were conducted for the shaft grouted pre-bored H-piles at Block 51. Additionally, 3 vibration monitoring measurements were undertaken for the weekly vibration monitoring for trial pile near Block 17. The monitoring results are presented in *Annex L*.

20 vibration monitoring measurements were undertaken for the structural additions and alteration works at Block 1, Block 8 and Block 14 at their respective monitoring locations during the reporting period. The monitoring results are presented in *Annex M*.

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

5.2.2 Heritage Site Audit

Monthly heritage site audit was conducted on 21 February 2013 by the Heritage Checker. Major observations and recommendations during the site inspection were listed below:

1) Improvement to the maintenance of protection was required in Building 1.

- 2) Excessive amount of pigeon guano was observed on the first floor of Block
 - 4. The Contractor was reminded to conduct regular cleaning of guano.

The follow-up actions recommended in the last site audit have generally been implemented.

5.3 LANDSCAPE AND VISUAL

The tree inspection was conducted by the arborist on 21 February 2013 and major observations and recommendations in the reporting period are summarised in *Table 5.1*. The tree inspection report is contained in *Annex J*.

Table 5.1 Findings of Monthly Tree Inspection in the Reporting Period

| Tree No. | Botanical Name | Overall Health Condition | Arborist's Observations / Recommendations |
|----------|---------------------------|-----------------------------|--|
| Tree -5 | Mangifera indica | Good | 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 | • Sap flow was observed on the mid-trunk. Close monitoring is recommended. |
| Tree-11 | Dracaena marginata | Fair | No further action required. |

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. 1,080 kg of metals was generated and sent to recyclers for recycling. No paper/cardboard packaging, plastics waste or chemical waste was generated during the reporting period.

Table 5.2 Quantities of Waste Generated from the Project

| Month / Year | Quantity | | | | | | |
|---------------|------------------|------------------|-------------------|--------|----------------------|----------|---------|
| | C&D Materials | C&D Materials | Chemical Waste | | Recycled materials | | rials |
| | (inert) (a) | (non-inert) | Solid | Liquid | Paper / cardboard | Plastics | Metals |
| February 2013 | 945.97 | 177.54 | 0 kg | 0 L | 0 kg | 0 kg | 1080 kg |
| | tonnes | tonnes | | | | | |

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 21 February 2013. 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

Stockpile of concrete debris was observed dry in Block 17. The Contractor was reminded to spray water to the concrete debris regularly until it is removed to suppress potential fugitive dust.

7 ENVIRONMENTAL NON-CONFORMANCE

7.1 SUMMARY OF MONITORING EXCEEDANCE

No exceedance of Limit Level of construction noise or Alert, Alarm and Action Levels of vibration was recorded during the reporting period. An exceedance of Action Level of noise (complaint received) 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. A complaint about noise was received by Gammon Construction Limited (GCL) on 22 February 2013.

Table 7.1 Summary of Complaints Received

| Date of Complaint Received by the Contractor | Means by which complaint was received | Nature of complaint |
|--|---------------------------------------|---------------------|
| 22 February 2013 | Gammon Construction Limited | Noise nuisance |
| | (Contractor) | |

On 22 February 2013 at 1530 hours, GCL received a complaint on noise nuisance generated from the construction site at around 0400 hours on 22 February 2013. The complainant mentioned that noise of piling works was heard at the mentioned time. According to the information provided by the Contractor, no construction works were carried out at night on 22 February 2013 or at any other nights in February 2013. It was also confirmed by the Contractor that no workers or site staff, besides security guards, were present in the project site at 0400 hours on 22 February 2013. Only the underground water pumps under the approved Construction Noise Permit (GW-RS0084-13) were operating within the project site at 0400 hours on 22 February 2013. It is not considered that the operating water pumps would generate considerable noise that may affect nearby residents. It is concluded that the noise of piling works the complainant alleged to have heard did not originate from the CPS project site and no further action is required from the Contractor.

Cumulative number of complaints is presented in *Annex K*.

| 7.5 | SUMMARY OF ENVIRONMENTAL SUMMONS AND SUCCESSFUL PROSECUTION |
|-----|---|
| | No summons was received during the reporting period. |
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8 FUTURE KEY ISSUES

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

- Construction of bored pile wall and foundation piles at Old Bailey Wing;
- Ground improvement works at lower ground floor at Block 14;
- General strip out works at Block 1, Block 11, Block 12 and Block 14;
- Interior demolition works at Block 1:
- Construction of new reinforced concrete slab at Block 1;
- Underpinning works at Block 1;
- Furniture strip out works at Block 14;
- Break up of concrete slab at Parade Ground; and
- Construction of foundation pile at Arbuthnot Wing, Block 8 and Block 17.

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 February to 28 February 2013 in accordance with EM&A Manual and the requirement under EP-408/2011/B.

No exceedance of Limit Level of construction noise was recorded at designated monitoring stations during the reporting period. An exceedance of Action Level of noise (complaint received) was recorded 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.

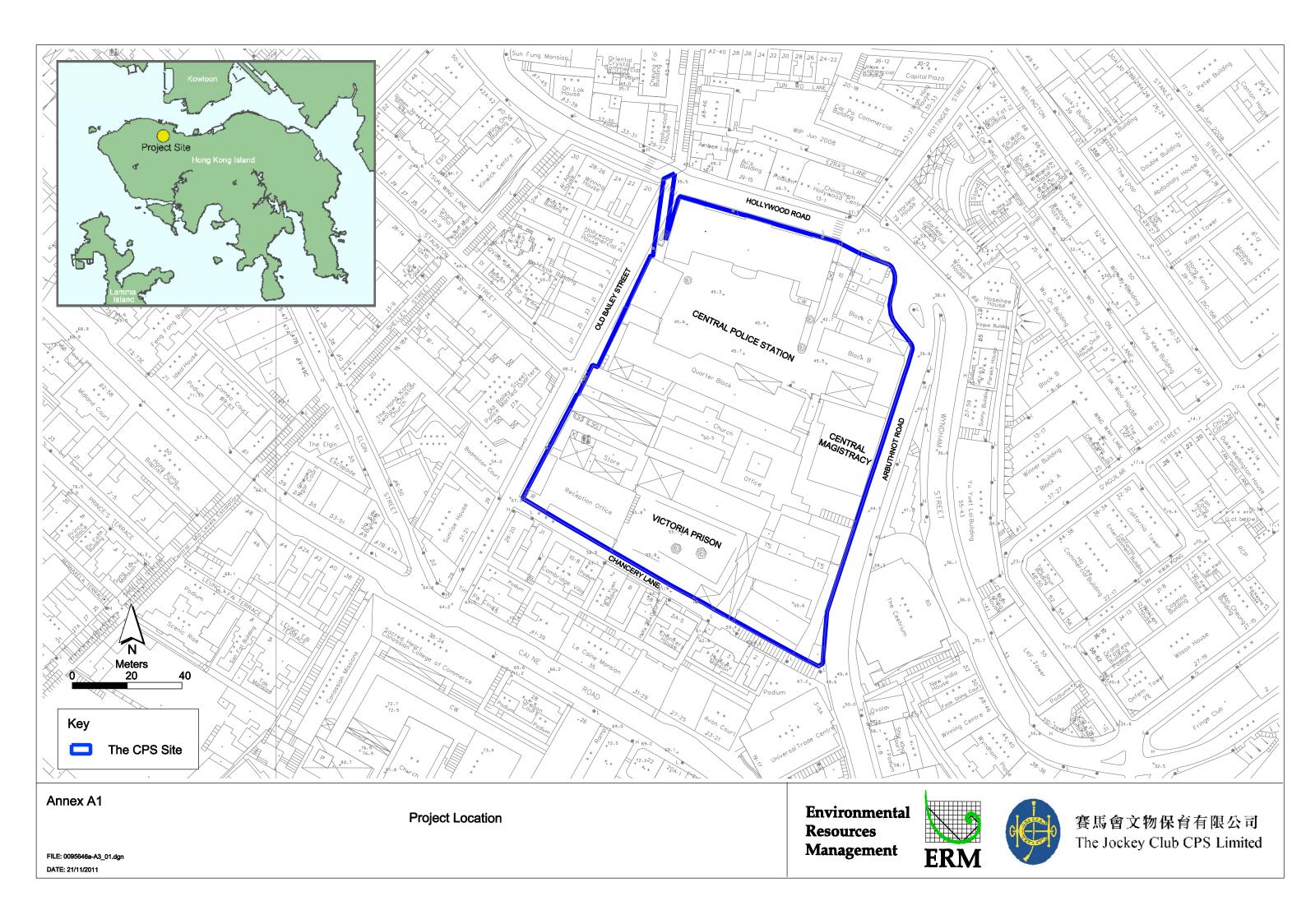
One complaint was received during the reporting period.

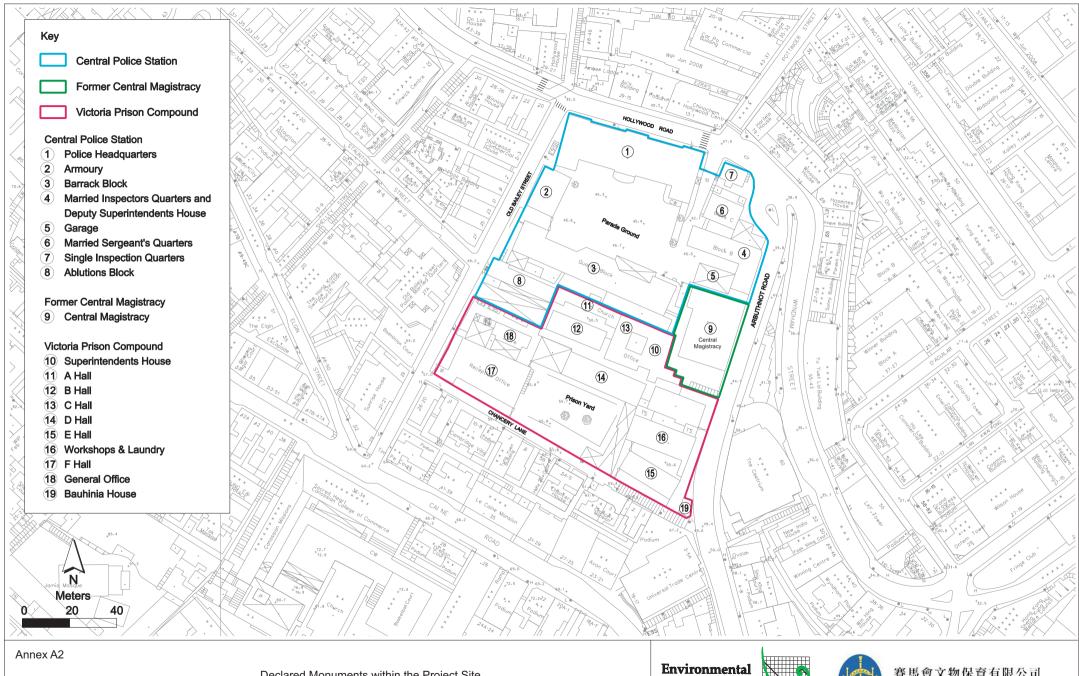
No summons/prosecution was received during the reporting period.

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





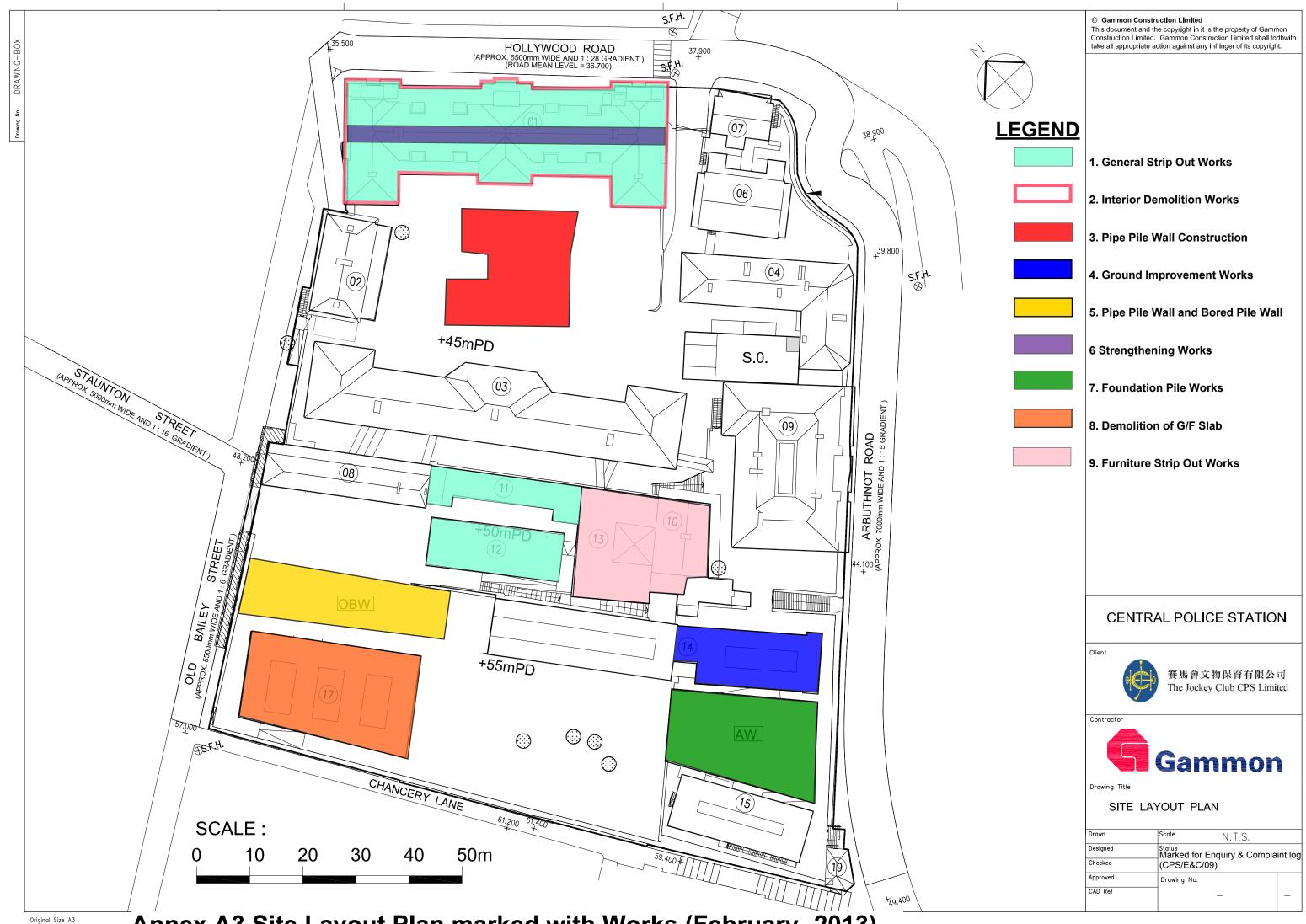
FILE: 0095646b1-A3.dgn DATE: 07/12/2011

Declared Monuments within the Project Site

Resources Management





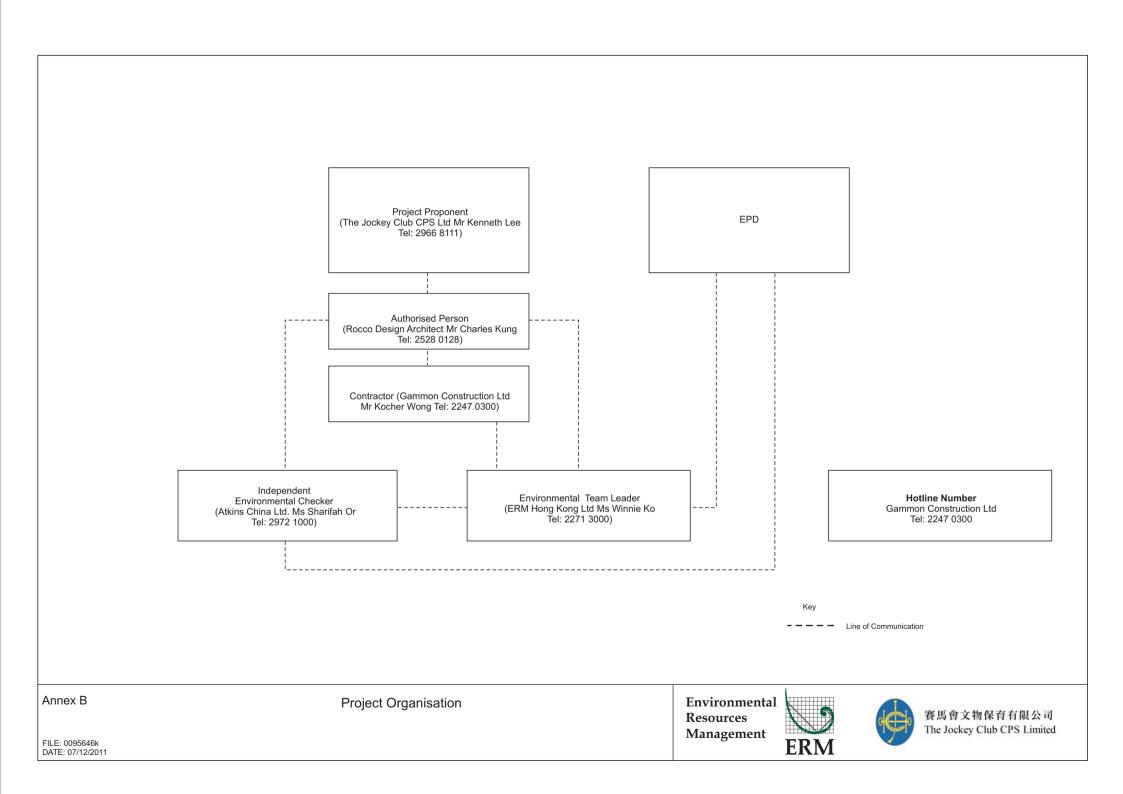


Annex A3 Site Layout Plan marked with Works (February- 2013)

LAST_UPDAT

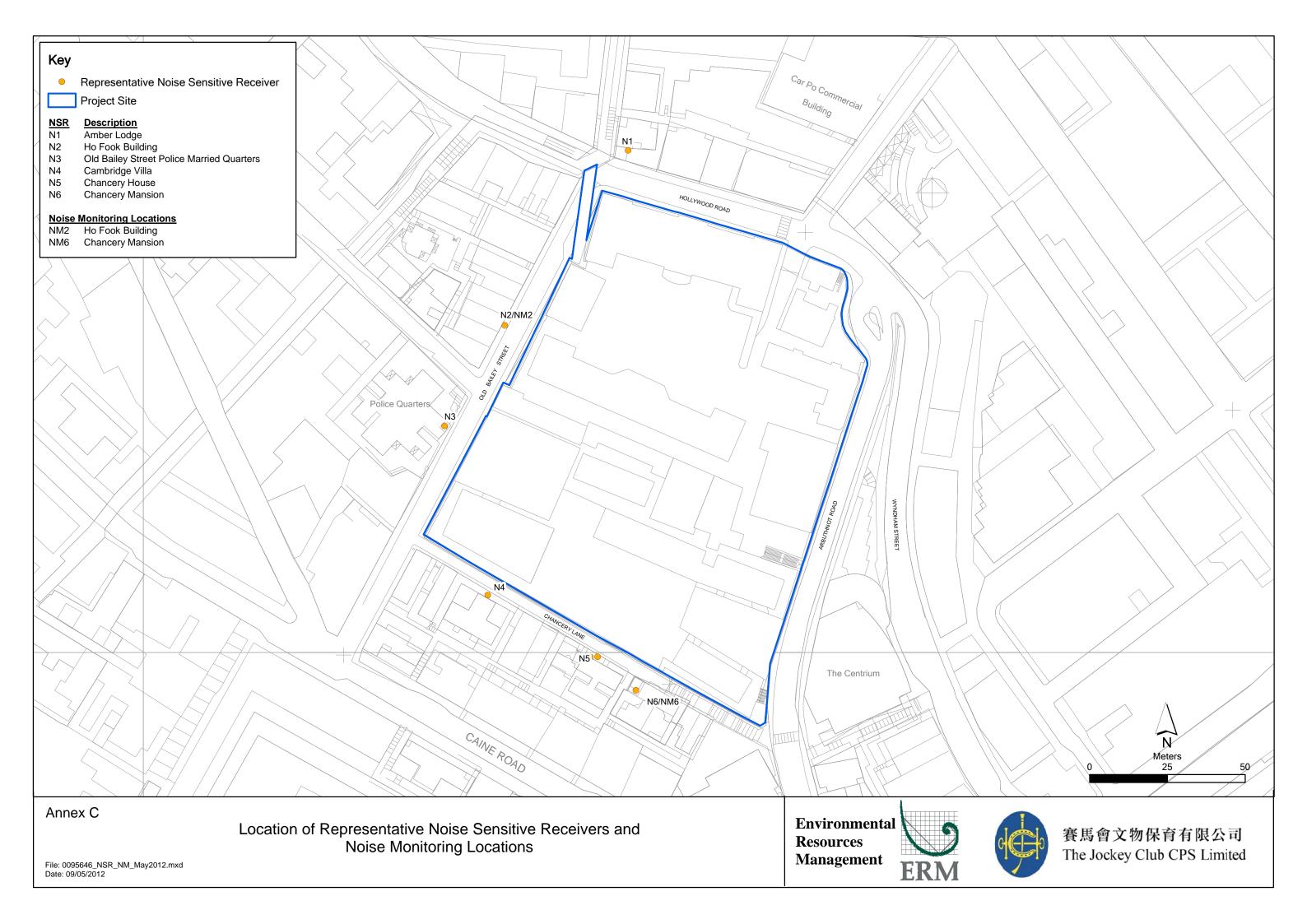
Annex B

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 2013

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|--------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| | , | - | · | · | 01-Feb | 02-Feb |
| | | | | | | Noise Monitoring at NM2 & NM6 |
| 03-Feb | 04-Feb | 05-Feb | 06-Feb | 07-Feb | 08-Feb | 09-Feb |
| | | | | | Noise Monitoring at NM2 & NM6 | |
| 10-Feb | 11-Feb | 12-Feb | 13-Feb | 14-Feb | 15-Feb | 16-Feb |
| | | | | Noise Monitoring at NM2 & NM6 | | |
| 17-Feb | 18-Feb | 19-Feb | 20-Feb | 21-Feb | 22-Feb | 23-Feb |
| | | | Noise Monitoring at NM2 & NM6 | | | |
| 24-Feb | 25-Feb | 26-Feb | 27-Feb | 28-Feb | | |
| | | 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 2013

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|----------|-------------------------------|----------------------------------|-------------------------------|----------------------------------|-------------------------------|----------|
| | | | | | 01-Mar | 02-Mar |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 03-Mar | 04-Mar | 05-Mar | 06-Mar | 07-Mar | 08-Mar | 09-Mar |
| | Noise Monitoring at NM2 & NM6 | | | | Noise Monitoring at NM2 & NM6 | |
| 10-Mar | 11-Mar | 12-Mar | 13-Mar | 14-Mar | 15-Mar | 16-Mar |
| 10 IVIAI | 11 Mai | 12 Mai | 10 Mai | 17 Mai | 10 Mai | 10 Ivial |
| | | | | Noise Monitoring at NM2 & NM6 | | |
| 17-Mar | 18-Mar | 19-Mar | 20-Mar | 21-Mar | 22-Mar | 23-Mar |
| 17-Iviai | 10-iviai | 19-Mai | 20-iviai | Z I - IVIQI | ZZ-IVIQI | 25-19101 |
| | | | Noise Monitoring at NM2 & NM6 | | | |
| 24-Mar | 25-Mar | 26-Mar | 27-Mar | 28-Mar | 29-Mar | 30-Mar |
| | | Noise Monitoring at NM2 & NM6 | | | | |
| 31-Mar | | | | | | |
| | | | | | | |
| | | | | | | |
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| | _ | | _ | | | |

Annex E

Calibration Reports for Calibrators and Sound Level Meters



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.:

C124184

證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號: IC12-1770)

Description / 儀器名稱 :

Sound Level Calibrator

Manufacturer / 製造商

Rion

Model No. / 型號 Serial No./編號

NC-73 10786708

Supplied By / 委託者

Envirotech Services Co.

Shop 6, G/F., Casio Mansion, 209 Shaukeiwan Road,

Hong Kong

TEST CONDITIONS / 測試條件

Temperature / 溫度 :

Relative Humidity / 相對濕度 :

 $(55 \pm 20)\%$

Line Voltage / 電壓 :

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期

17 July 2012

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, USA
- Fluke Everett Service Center, USA
- Rohde & Schwarz Laboratory, Germany

Tested By

測試

Certified By

核證

K C Lee

Date of Issue

簽發日期

18 July 2012

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Sun Creation Engineering Limited - Calibration & Testing Laboratory

c o 4F, 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

co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

Page 1 of 2



輝創工程有限公司

Sun Creation Engineering Limited

Calibration and Testing Laboratory

Certificate of Calibration 交正證書

Certificate No.:

C124184

證書編號

The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.

The results presented are the mean of 3 measurements at each calibration point. 2.

3. Test equipment:

> Equipment ID CL130 CL281 TST150A

Description Universal Counter Multifunction Acoustic Calibrator Measuring Amplifier

Certificate No. C123541 DC110233 C120886

4. Test procedure: MA100N.

5. Results:

Sound Level Accuracy 5.1

| Douna Deverriedanaej | | | | | |
|----------------------|----------------|-------------|-------------------------------|--|--|
| UUT | Measured Value | Mfr's Spec. | Uncertainty of Measured Value | | |
| Nominal Value | (dB) | (dB) | (dB) | | |
| 94 dB, 1 kHz | 93.9 | ± 0.5 | ± 0.2 | | |

Frequency Accuracy

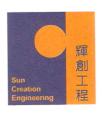
| UUT Nominal Value | Measured Value | Mfr's | Uncertainty of Measured Value |
|-------------------|----------------|-------------|-------------------------------|
| (kHz) | (kHz) | Spec. | (Hz) |
| 1 | 0.990 | 1 kHz ± 2 % | ± 1 |

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

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.

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Sun Creation Engineering Limited

Calibration and Testing Laboratory

Certificate of Calibration

校正證書

Certificate No.:

C124191

證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號:IC12-1770)

Description / 儀器名稱

Sound Level Meter

Manufacturer / 製造商 Model No. / 型號

Rion NL-31

Serial No. / 編號

00603867

Supplied By / 委託者

Envirotech Services Co.

Shop 6, G/F., Casio Mansion, 209 Shaukeiwan Road,

Hong Kong

TEST CONDITIONS / 測試條件

Temperature / 溫度 :

Relative Humidity / 相對濕度 :

 $(55 \pm 20)\%$

Line Voltage / 電壓 :

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期

18 July 2012

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, USA
- Fluke Everett Service Center, USA
- Fluke Precision Measurement Ltd., UK
- Rohde & Schwarz Laboratory, Germany

Tested By

測試

L K Yeung

Certified By

核證

K/C Lee

Date of Issue

18 July 2012

簽發日期

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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



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Certificate of Calibration

Certificate No.:

C124191

證書編號

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours, and switched on to warm 1. up for over 10 minutes before the commencement of the test.
- 2. Self-calibration was performed before the test.
- The results presented are the mean of 3 measurements at each calibration point. 3.
- 4. Test equipment:

Equipment ID CL280 CL281

Description 40 MHz Arbitrary Waveform Generator Multifunction Acoustic Calibrator

Certificate No. C120016 DC110233

Test procedure: MA101N.

6. Results:

6.1 Sound Pressure Level

6.1.1 Reference Sound Pressure Level

| | UU | JT Setting | | Applied | l Value | UUT | IEC 61672 Class 1 |
|----------|----------------|------------|-----------|---------|---------|---------|-------------------|
| Range | Mode | Frequency | Time | Level | Freq. | Reading | Spec. |
| (dB) | | Weighting | Weighting | (dB) | (kHz) | (dB) | (dB) |
| 30 - 120 | L _A | A | Fast | 94.00 | 1 | 93.8 | ± 1.1 |

6.1.2 Linearity

| | UU | JT Setting | | Applied | Value | UUT |
|----------|-------|------------|-----------|-------------|-------|-------------|
| Range | Mode | Frequency | Time | Level Freq. | | Reading |
| (dB) | | Weighting | Weighting | (dB) | (kHz) | (dB) |
| 30 - 120 | L_A | A | Fast | 94.00 | 1 | 93.8 (Ref.) |
| | | | | 104.00 | | 103.8 |
| | | | | 114.00 | | 113.8 |

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

Time Weighting 6.2

| Time Weighting | | | | | | | | | |
|----------------|----------------|-----------|-----------|---------|-------|---------|-------------------|--|--|
| | UU | T Setting | | Applied | Value | UUT | IEC 61672 Class 1 | | |
| Range | Mode | Frequency | Time | Level | Freq. | Reading | Spec. | | |
| (dB) | | Weighting | Weighting | (dB) | (kHz) | (dB) | (dB) | | |
| 30 - 120 | L _A | A | Fast | 94.00 | 1 | 93.8 | Ref. | | |
| | | | Slow | | | 93.7 | ± 0.3 | | |

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證書編號

Frequency Weighting

6.3.1 A-Weighting

| N-Weighting | | | | | | | | | |
|-------------|-------|-----------|-----------|-------|-------------|------|-------------------|--|--|
| | UU | T Setting | | Appl | ied Value | UUT | IEC 61672 Class 1 | | |
| Range | Mode | Frequency | Time | Level | Level Freq. | | Spec. | | |
| (dB) | | Weighting | Weighting | (dB) | _ | (dB) | (dB) | | |
| 30 - 120 | L_A | A | Fast | 94.00 | 63 Hz | 67.6 | -26.2 ± 1.5 | | |
| | | | | | 125 Hz | 77.6 | -16.1 ± 1.5 | | |
| | | | | | 250 Hz | 85.1 | -8.6 ± 1.4 | | |
| | | | | | 500 Hz | 90.6 | -3.2 ± 1.4 | | |
| | | | | | 1 kHz | 93.8 | Ref. | | |
| | | | | | 2 kHz | 95.1 | $+1.2 \pm 1.6$ | | |
| | | | | | 4 kHz | 95.0 | $+1.0 \pm 1.6$ | | |
| | | | | | 8 kHz | 92.8 | -1.1 (+2.1; -3.1) | | |
| | | | | | 12.5 kHz | 89.9 | -4.3 (+3.0; -6.0) | | |

6.3.2 C-Weighting

| e weighting | | | | | | | | | | |
|-------------|----------------|------------------------|-------------------|------------|-----------|--------------|-------------------|--|--|--|
| | UU' | T Setting | | Appl | ied Value | UUT | IEC 61672 Class 1 | | | |
| Range (dB) | Mode | Frequency Weighting | Time Weighting | Level (dB) | Freq. | Reading (dB) | Spec. (dB) | | | |
| 30 - 120 | L _C | C | Fast | 94.00 | 63 Hz | 93.0 | -0.8 ± 1.5 | | | |
| | | | | | 125 Hz | 93.6 | -0.2 ± 1.5 | | | |
| | | | | | 250 Hz | 93.8 | 0.0 ± 1.4 | | | |
| | | | | | 500 Hz | 93.9 | 0.0 ± 1.4 | | | |
| | | | | | 1 kHz | 93.9 | Ref. | | | |
| | | | | | 2 kHz | 93.7 | -0.2 ± 1.6 | | | |
| | | | | | 4 kHz | 93.2 | -0.8 ± 1.6 | | | |
| | | | | | 8 kHz | 90.9 | -3.0 (+2.1; -3.1) | | | |
| | | | | | 12.5 kHz | 88.1 | -6.2 (+3.0; -6.0) | | | |

Remarks: - Mfr's Spec.: IEC 61672 Class 1

- Uncertainties of Applied Value: 94 dB : 63 Hz - 125 Hz : \pm 0.35 dB

250 Hz - 500 Hz : \pm 0.30 dB : $\pm 0.20 \text{ dB}$ 1 kHz 2 kHz - 4 kHz $\pm 0.35 \text{ dB}$ 8 kHz $\pm 0.45 \text{ dB}$

12.5 kHz $\pm 0.70 \text{ dB}$ 104 dB : 1 kHz $\pm 0.10 \text{ dB (Ref. 94 dB)}$

114 dB : 1 kHz $\pm 0.10 \text{ dB} \text{ (Ref. 94 dB)}$

- 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.

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c/o 香港新界屯門興安里一號青山灣機樓四樓

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Annex F

Event / Action Plans for Noise

Annex F Event and Action Plan for Noise

| Event | Action | | | | | | | | | |
|--------------|---|--------------|--|--|---|--|--|--|--|--|
| | Environmental Team (ET) | | dependent Environmental hecker (IEC) | A | uthorised Person (AP) | C | ontractor | | | |
| Action Level | Notify IEC and Contractor; Carry out investigation; Report the results of investigation to the IEC, AP ar Contractor; Discuss with the Contractor ar formulate remedial measures; Increase monitoring frequency check mitigation effectiveness. | nd 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. | 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. | Submit noise mitigation proposals to IEC; Implement noise mitigation proposals. | | | |
| Limit Level | Identify source; Inform IEC and AP; Repeat measurements to confifindings; Increase monitoring frequency Carry out analysis of Contractor's working proceduto 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. | 2. res on 3. | 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 Heritag | 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 | Recommendations under the AAP: • Preservation by Record (PBR) at the Old Bailey Wing, Arbuthnot Wing, proposed underground passageway at A H Yard and Proposed E&M Trench in Prison Yard completed Additional archaeological investigation at F Hall |
| S3.9.2 | S3.3.1 | Vibration Monitoring 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 | was conducted in September 2012. √ |
| S3.9.2 | S3.3.3 | Compliance of the Approved Measures and Auditing 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 | Whole site | Prior to and during construction | |

| EIA Ref. | EM&A Ref. | Recommended Mitigation Measures | Location | When to Implement the Measure | Status |
|-------------|--------------|---|------------|---|--|
| | | approved work methodologies with respect of conservation works, mitigations for cultural heritage and any related works. A detailed 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. The Heritage Checker shall also attend the regular site meetings with AMO and report the compliance and effectiveness of the mitigation measures for cultural heritage. | | | |
| S3.9.3 | S3.3.4 | Archival Recording 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 asbuilt 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 | - | General Construction Methods Prior to the commencement of the modification/refurbishment works at | Whole site | During construction | V |
| | | an existing building or structure (e.g. masonry walls near the Old Bailey | | | |

| EIA Ref. | EM&A Ref. | Recommended Mitigation Measures | Location | When to Implement the Measure | Status |
|--------------------|--------------|---|------------|---|--|
| | | 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 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. | | | |
| \$3.7.1 & 3.7.2 | | 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 cross referenced location plans and photo records. One set of updated CMP shall be submitted to the AMO for approval | 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 |
|-------------|--------------|---|------------|-------------------------------------|--|
| | | before the operation stage of the project. | | | |
| | ipe & Visi | ıal | | | |
| S4.7.27 | - | <u>In-situ Tree Protection - Cordon Zone (CZ)</u> | Whole site | During construction | √ |
| | | 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. | | | |
| S4.7.2 | - | In-situ Tree Protection - Advanced & Phased Root Pruning 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 | - | In-situ Tree Protection - Foliage cleansing system A sprinkler cleansing system will be installed either in the crown of the | Whole site | During construction | √ |

| EIA Ref. | EM&A Ref. | Recommended Mitigation Measures | Location | When to Implement the Measure | Status |
|-------------|--------------|--|--|---|--|
| | | tree or at a suitable location on an adjacent building to provide the 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 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 (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. 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. | Whole site | During construction | √ |
| 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 | √ |
| S4.7.2 | S4 | 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 | 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 |
|-------------|--------------|---|---------------------|---|--|
| | | underneath so that fertilizers and conditioners could be added on a 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. | | | |
| | | flowers in spring to early summer often when the tree has little or no leaves. | | | |
| S4.7.2 | S4 | Within the limitations of the conservation of the CPS character, greening of vertical structures should be provided where possible. 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 | Inner Southern Wall | During detailed design and construction | N/A – No vertical greening was conducted during the reporting month. |

| EIA Ref. | EM&A Ref. | Recommended Mitigation Measures | Location | When to Implement the Measure | Status |
|-------------|--------------|--|------------|---|--|
| | | each of the large protruding piers and an offset be made from both the 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 | - | New Custom Paving 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 | In-situ Tree Protection - Quarterly inspection 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 | | A | l | | |
| S5.9 | - | 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 | Whole Site | During construction | |

| EIA Ref. | EM&A Ref. | Recommended Mitigation Measures | Location | When to Implement the Measure | Status |
|-------------|--------------|--|------------|-------------------------------------|--------------|
| | | possible; 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. | | | |
| S5.9 | - | 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 | √ |
| S5.9 | - | 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 | √ |
| S5.9 | - | Use quiet PME as far as practicable to mitigate the construction noise impact. | Whole Site | During construction | V |
| S5.9 | - | Scheduling of construction activities with identified grouping of PMEs. | Whole Site | During construction | √ |
| 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 | √ |
| Air Qu | | | | | |
| S6.8.1 | - | Dust control measures stipulated in the Air Pollution Control (Construction Dust) Regulation will be implemented during the | Whole Site | During construction | \checkmark |

| EIA Ref. | EM&A Ref. | Recommended Mitigation Measures | Location | When to Implement the Measure | Status |
|-------------|--------------|--|------------|-------------------------------------|----------|
| | | construction phase to control the potential fugitive dust emissions. | | | |
| 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 | √ |
| S6.8.1 | - | Vehicle washing facilities will be provided at the designated vehicle exit points. | Whole Site | During construction | √ |
| 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 | √ |
| S6.8.1 | - | Road sections between vehicle-wash areas and vehicular entrances will be paved. | Whole Site | During construction | V |
| 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 | V |
| 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 | V |
| 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 | V |
| 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 | V |

| EIA Ref. | EM&A Ref. | Recommended Mitigation Measures | Location | When to Implement the Measure | Status |
|-------------|--------------|--|-----------------------------|-------------------------------------|---------------------|
| S6.8.1 | 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 | V |
| 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 | √ |
| S6.8.1 | - | ULSD will be used for all construction plant on-site. | Whole Site | During construction | √ · |
| S6.8.1 | - | The engine of the construction equipment or trucks during idling will be switched off. | Whole Site | During construction | V |
| 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 | √ · |
| Water (| Quality | | | | |
| 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 | √ |
| 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. |

| EIA Ref. | EM&A Ref. | Recommended Mitigation Measures | Location | When to Implement the Measure | Status |
|-------------|--------------|---|------------|-------------------------------------|---------------------|
| 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 | V |
| 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 | √ · |
| S7.6 | - | All fuel tanks and chemical storage areas will be provided with locks and be sited on paved areas. | Whole Site | During construction | √ · |

| EIA Ref. | EM&A Ref. | Recommended Mitigation Measures | Location | When to Implement the Measure | Status |
|-------------|------------------------------|---|------------|-------------------------------------|---------------------|
| 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 | V |
| 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 | √ |
| 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 | V |
| 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 | √ |
| Waste 1 | Manageme | nt | | | |
| S8.5 | \$6.3.1 & Table 6.1 | General 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 | √ |
| S8.5 | - | Management of Waste Disposal 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 | V |

| EIA Ref. | EM&A Ref. | Recommended Mitigation Measures | Location | When to Implement the Measure | Status |
|-------------|----------------------|--|------------|---|--------|
| 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 | √ · |
| 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 | Reduction of Construction Waste Generation 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 | √ · |
| 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 | √ · |
| 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 | √ · |
| 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 | Whole Site | During construction and operation | √ |

| EIA Ref. | EM&A Ref. | Recommended Mitigation Measures | Location | When to Implement the Measure | Status |
|-------------|----------------------|--|---|-------------------------------------|--------|
| | | bund must be tested and disposed of as chemical waste, if necessary); and Be arranged so that incompatible materials are appropriately separated. | | | |
| 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 | √ |
| S8.5 | S6 & Table 6.1 | General Refuse 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 | √ |
| 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 | √ |
| S8.5 | S6 | Staff Training 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 | Commence-ment of construction | √ · |
| 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

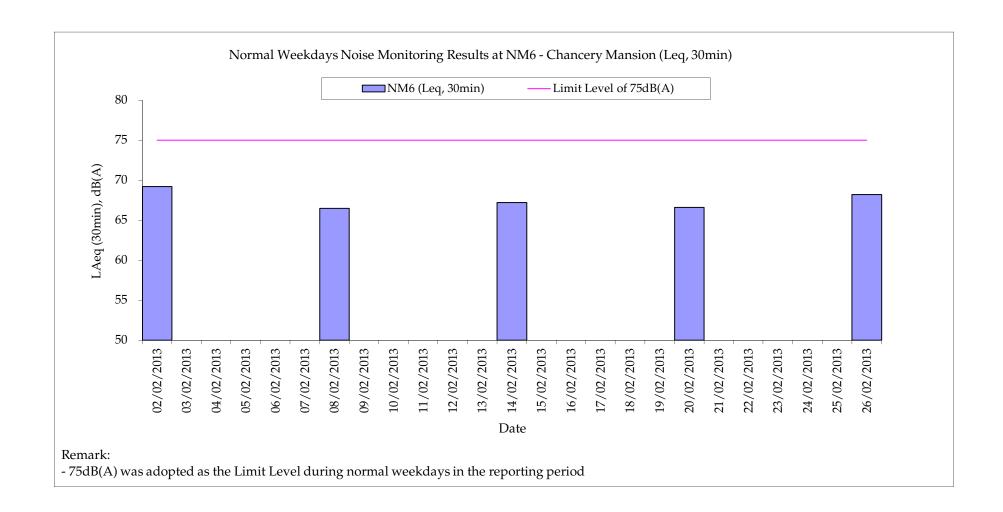
NM6 Chancery Mansion

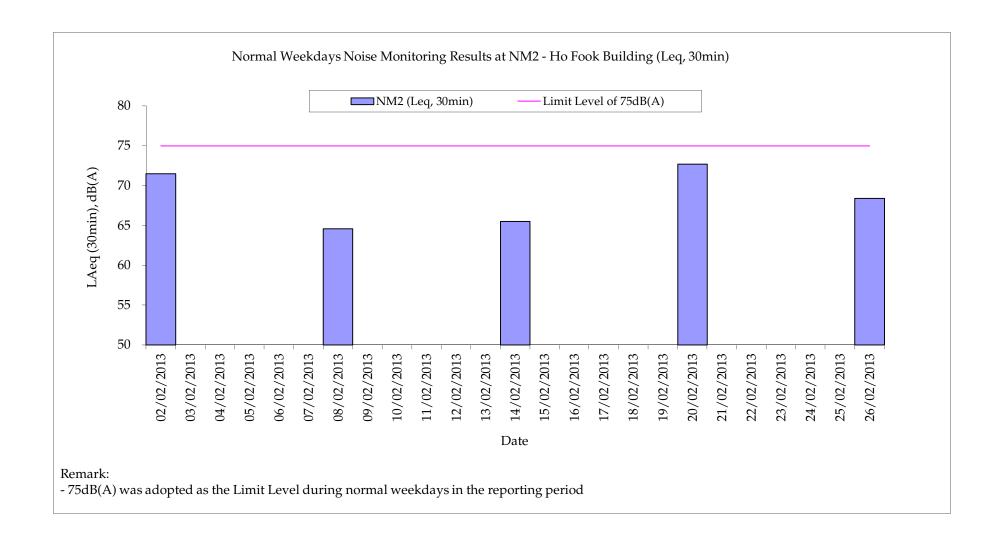
| Date | Start Time | End Time | d Time Weather | Noise level (dB(A)), 30 min | | | Major Construction Noise Source(s) | Other Noise Source(s) | Remarks | Wind Speed (m/s) | Noise Meter Model / ID | Calibrator Model / ID |
|-----------|------------|----------|----------------|-----------------------------|------|------|---|--------------------------|---------|---------------------|---------------------------------|----------------------------------|
| | | | | Leq | L10 | L90 | Observed | Observed | | (/ | | |
| 02-Feb-13 | 13:52 | 14:22 | Sunny | 69.2 | 71.5 | 67.6 | Piling, crawler crane (within the project site) | Traffic Noise | - | 0.2 | RION- NL31 (S/N 00603867) | RION - NC73 (S/N 10786708) |
| 08-Feb-13 | 9:50 | 10:20 | Cloudy | 66.5 | 68.1 | 65.1 | Crawler crane (within the project site) | Traffic Noise | - | 0.5 | RION- NL31 (S/N 00603867) | RION - NC73 (S/N 10786708) |
| 14-Feb-13 | 10:00 | 10:30 | Cloudy | 67.2 | 69.2 | 65.0 | Piling, crawler crane (within the project site) | Traffic Noise | - | 0.8 | RION- NL31 (S/N 00603867) | RION - NC73 (S/N 10786708) |
| 20-Feb-13 | 15:00 | 15:30 | Cloudy | 66.6 | 67.9 | 65.1 | Piling, crawler crane (within the project site) | Traffic Noise | - | 0.8 | RION- NL31 (S/N 00603867) | RION - NC73 (S/N 10786708) |
| 26-Feb-13 | 15:00 | 15:30 | Cloudy | 68.2 | 70.2 | 65.7 | Crawler crane, compressor breaker (within the project site) | Traffic Noise | - | 0.8 | RION- NL31 (S/N 00603867) | RION - NC73 (S/N 10786708) |
| | | | Min. | 66.5 | | • | | | • | | | |
| | | | Max. | 69.2 | | | | | | | | |

NM2 Ho Fook Building

| Date | | End Time | | Noise level (dB(A)), 30 min | | Major Construction | Other Noise | | Wind Speed | Noise Meter | Calibrator | |
|-----------|------------|----------|---------|-----------------------------|------|--------------------|---|-----------------------|------------|-------------|---------------------------------|----------------------------------|
| | Start Time | | Weather | Leq | L10 | L90 | Noise Source(s) Observed | Source(s) Observed | Remarks | (m/s) | Model / ID | Model / ID |
| 02-Feb-13 | 13:15 | 13:45 | Sunny | 71.5 | 73.6 | 67.8 | Piling, crawler crane (within the project site) | Traffic noise | - | 0.2 | RION- NL31 (S/N 00603867) | RION - NC73 (S/N 10786708) |
| 08-Feb-13 | 11:00 | 11:30 | Cloudy | 64.6 | 66.6 | 62.0 | Crawler crane (within the project site) | Traffic Noise | - | 0.5 | RION- NL31 (S/N 00603867) | RION - NC73 (S/N 10786708) |
| 14-Feb-13 | 10:40 | 11:10 | Cloudy | 65.5 | 67.4 | 61.5 | Piling, crawler crane (within the project site) | Traffic Noise | - | 0.5 | RION- NL31 (S/N 00603867) | RION - NC73 (S/N 10786708) |
| 20-Feb-13 | 13:10 | 13:40 | Cloudy | 72.7 | 74.2 | 70.1 | Piling, crawler crane (within the project site) | Traffic Noise | - | 0.8 | RION- NL31 (S/N 00603867) | RION - NC73 (S/N 10786708) |
| 26-Feb-13 | 13:05 | 13:35 | Cloudy | 68.4 | 70.4 | 65.0 | Crawler crane, compressor breaker (within the project site) | Traffic Noise | - | 0.4 | RION- NL31 (S/N 00603867) | RION - NC73 (S/N 10786708) |
| | | | Min. | 64.6 | | | | | · | | | |

Min. 64.6 Max. 72.7





Annex I

Construction Programme for the Project

| Activity ID | Activity Description | Duration in Days | 2011 J J A S O I | NDJFMAMJJ | | JASONDJF | 2014 MAMJJASON | 2015 DJFMAMJJASONI | 2016 DJFMAMJJASO | NE |
|----------------|--|------------------|--|-----------------|-------------------|---|-------------------|-----------------------|---------------------|--------|
| GENERA | L | | | 1 1 1 1 1 1 1 | | ','','' | | 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 | 111111 |
| S110 | PRECONSTRUCTION WORKS | 592 | | | PRECONS | TRUCTION WO | PRKS | | | 1 |
| EXISTING | BUILDINGS | | 1 1 1 1 1 | 1 1 1 1 1 1 1 | | | | | | Ī |
| 160010 | BLOCK 16 WORKSHOP & LAUNDRY (DEMOLITION WORKS) | 198 | | BLOCK | 16 WORKSHOP & LAU | | TION WORKS) | | | 1 |
| 180010 | BLOCK 18/14 ANNEX/BLDG F/G/H/ (DEMOLITION WORKS) | 149 | | | /1¦4¦ANNEX/BLDG | | | | | i I |
| 080010 | BLOCK 08 ABLUTIONS BLOCK | 731 | | | | | BLOCK 08 ABL | UTIONS BLOCK | | 1 |
| 170005 | BLOCK 17 F HALL | 593 | | | | | ⊒BLOCK 17¦F HALI | | | i I |
| 010005 | BLOCK 01 POLICE HEADQUARTERS BLOCK | 626 | | | | | BLOCK 01 P | OLICE HEADQUARTERS | BLOCK | 1 |
| 140005 | BLOCK 14 D HALL | 645 | 1 1 1 1 1 | 1 1 1 1 1 1 1 | | | BĽOCK 1 | 4 D'HAĻL | | 1 |
| 120010 | BLOCK 12 B HALL | 341 | | | | вьоск 1 | 2 B HALL | | | 1 |
| 110010 | BLOCK 11 A HALL | 311 | | | | BLOCK 11 | | | | i |
| 100010 | BLOCK 10 SUPERINTENDENT'S HOUSE | 517 | | | | | BLOCK 10 S | UPERINTENDENT'S HOU | JSE | 1 |
| 130010 | BLOCK 13 C HALL | 517 | | | | | BLOCK 13 C | | | i |
| 060005 | BLOCK 06 MARRIED SERGEANTS' QUARTERS | 223 | | | | | MARRIED SERGE | | | 1 |
| 070005 | BLOCK 07 SINGLE INSPECTORS' QUARTERS | 225 | | | | | 7 SINGLE INSPEC | | | i |
| 030005 | BLOCK 03 BARRACK BLOCK | 440 | | | | | BLOCK 03 B | ARRACK BLOCK | | 1 |
| 020005 | BLOCK 02 ARMOURY | 425 | | | | | BLOCK 02 A | RMOURY | | İ |
| 090005 | BLOCK 09 CENTRAL MAGISTRACY | 425 | | | | | BLOCK 09 C | ENTRAL MAGISTRACY | | 1 |
| 150010 | BLOCK 15 E HALL | 304 | 1 1 1 1 1 | 1 1 1 1 1 1 1 | | | BLOCK 15 E HAL | L | | 1 |
| 040005 | BLOCK 04 MARRIED INSPECTORS' QUARTERS | 349 | | | | | BĻOCĶ ¢ | 4 MARRIED INSPECTOR | S QUARTERS | 1 |
| 190005 | BLOCK 19 BAUHINIA HOUSE | 277 | | | | | BLOCK 1 | 9 BAUHINIA HOUSE | | i |
| 050002 | BLOCK 05 (DEMOLITION WORKS) | 119 | | | | | □BLO¢K 05 (DEMO | LITION WORKS) | | 1 |
| OTHER W | VORKS | | 1 1 1 1 | 1 1 1 1 1 1 1 | | | | | | 1 |
| 253110 | REVETMENT WALL / U/G UTILITIES / ROAD WORKS | 679 | 1 1 1 1 1 | | | | ļ. | REVETMENT WALL / U/G | UTILITIES / ROAD WO | RKS |
| NEW BUI | LDINGS | | | | | | | | | 1 |
| S200 | OBW OLD BAILEY WING | 1,097 | | | | | | OBW OLD BAILE | Y WING | 1 |
| S300 | AW ARBUTHNOT WING | 1,056 | | | | | | AW ARBUTHNOT | WING | 1 |
| | NT PLANTROOM AND SERVICES TRENCH | | | | | | | | 1 | |
| 202005 | BASEMENT PLANTROOM / SERVICES TRENCH | 588 | | 1 1 1 1 1 1 1 1 | | | BASEMENT P | LANTROOM!/SERVICES | TRENCH | 1 |
| | DTBRIDGE | | | | | | | | | I |
| 2300125 | PROPOSED FOOTBRIDGE | 699 | | | PROPOSEDIF | OOTBRIDGE | | | | |
| | | | | | | | | | | |



CENTRAL POLICE STATION CONSERVATION AND REVITALIZATION
(MANAGEMENT CONTRACT)
CONSTRUCTION PROGRAMME
SUMMARY PROGRAMME

| 1 | | GCL / P / J3416 /SUM/CP01 | | | | | | | | | |
|---|---------|---------------------------|---------|----------|--|--|--|--|--|--|--|
| | Date | Revision | Checked | Approved | | | | | | | |
| | 13NOV12 | for EPD | | | | | | | | | |
| | 04MAR13 | revised | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

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 RECEIVED

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: yanwinghk@netvigator.com

28th February 2013

Our Ref.: YW/TP/GAMMON/2013/2/1

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

Attn: Mr. Cliff C.H. LEUNG, Mr. Ariel LUI

Dear Sirs,

Summary of Monthly Inspection Report for the Six Existing Trees at Central Police Station Compound for February 2013 (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 | 21 st Feb. 2013 | Good | N.F.A. |
| Tree-6 | Aleurites moluccana 石栗 | 21 st Feb. 2013 | Fair | N.F.A. |
| Tree-7 | Aleurites moluccana 石栗 | 21 st Feb. 2013 | Fair | N.F.A. |
| Tree-8 | Plumeria rubra 紅雞蛋花 | 21 st Feb. 2013 | Fair | N.F.A. |
| Tree-9 | Araucaria cunninghamia 花旗杉 | 21 st Feb. 2013 | Fair | Sap flow appears on the mid trunk. |
| Tree-11 | Dracaena marginata 馬尾鐵 | 21 st Feb. 2013 | Fair | To keep the wooden door always closed. |



Tel. 2516 8823

Fax.2516 6260



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: yanwinghk@netvigator.com

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.1015) 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

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 4.3 節)

| Company 公司: Gammon Construction Ltd Name of Tree Inspection officer 巡查人員姓名: LAU Man Chung | | | | | | | | | | |
|--|--|----------------------------------|---|--|--|--|--|--|--|--|
| File Ref. 檔案編號: YV Date of Inspection 巡查日期 | W/TP/GAMMON/201 用: February 21, | | ame of Endorsement Officer 覆核人員姓名: WONG Pak Hay | | | | | | | |
| Project/Contract No.合約/7 | Project/Contract No.合約/工程編號: J3416/400.4/D00025 | | | | | | | | | |
| Location Information 位置資料 | | | | | | | | | | |
| | Police Station Compo | und. | Nearby Utility Post No. 就近公用設施編號: | | | | | | | |
| Location Types 地點類別: | Roadside | 路旁 | □ Community Hall / Centre 社區會堂 / 中心 | | | | | | | |
| Address : | X Open s | pace 空地 | □ Roadside Planter 路旁花圃 | | | | | | | |
| (multiple answers allowed) | Exhibitio | n Centre 展覽中心 | □ Rain shelter / pavilion 避雨亭 / 涼亭 | | | | | | | |
| 可選多於一項 | ☐ View Poi | int 觀景台 Sitting out area 休憩處 | | | | | | | | |
| | ☐ Walking | Walking / nature trail 行山徑 / 自然徑 | | | | | | | | |
| □ Others (please specify)其他 (請說明): | | | | | | | | | | |
| General Tree Information | n 基本樹木資料 | | * Delete as appropriate 請把不合適的刪除 | | | | | | | |
| Main tree species in the group | Approx. number | Range of tree | Overall health | Overall | Other remarks (Any special tree | | | | | |
| or minority tree species of significant size | of trees in the relevant species or | height (m) 該樹種高度範圍 | condition 整體健康狀況 | structural condition | condition, e.g. dying/dead, pest/disease problem and structural | | | | | |
| 在群組內的主要樹種或樹幹 | as a % of tree | 12/19/19/19/19 | 全般是原水化 (good, fair, | 整體結構狀況 | defects; and soil condition | | | | | |
| 胸徑或高度或樹冠範圍較大 | group | | poor | (good, fair, | 其他評語 | | | | | |
| 的樹種 (Note 2) | 該樹種在群組內 的百份比/數目* | | 好,良,差) | poor好,良, 差) | (樹木狀况例如:凋謝/枯樹/病蟲害或結構問題;及泥土狀况) | | | | | |
| | CONTRACT AND CONTRACTOR OF CON | | | 1 AMERICA | | | | | | |
| Mangifera indica 芒果 Aleurites moluccana | 17%, 1 No. | 16M | GOOD | GOOD | N.F.A. | | | | | |
| 石栗 | 32% 2 Nos. | 10-13M | FAIR | FAIR | N.F.A. | | | | | |
| Plumeria rubra 紅雞蛋花 | 17% 1 No. | 7M | FAIR | FAIR | N.F.A. | | | | | |
| Araucaria cunninghamia 花旗杉 | 17% 1 No. | 13M | FAIR | FAIR | Sap flow appears on mid trunk | | | | | |
| Dracaena marginata 馬尾鐵 | 17% 1 No. | 8M | FAIR | FAIR | To keep the wooden door always closed. | | | | | |
| Target 目標 | | F. | | | | | | | | |
| TARGET (people or property | potentially affected by | tree/branch failure) | 目標 (因樹木倒場) | 或枝條斷裂而受影 | 響的人或財產) | | | | | |
| Does target exist? 目標是否 | | □ No 否 | HIAX 1 HA 7 HA 700 | 2x12x12x12x10x200 | = 1137 N/N/1/134 | | | | | |
| Can target be moved?能否移 | | · | | | | | | | | |
| Can the use of site be restric | | | 是 □ No 否 | | | | | | | |
| Frequency of use of location | | | | | | | | | | |
| Occasional use 偶爾使用 | Intermittent us | e 間歇使用 x Fr | equent use 經常使 | 用 | nt use 恆常使用 | | | | | |
| Identification of Trees for | Remedial Action | or Detailed Tre | e Risk Assessmo | ent | | | | | | |
| 識別下述樹木,以便採取風險約 | | 樹木風險評估 | | | | | | | | |
| Trees falling under the foll。 樹木屬於以下任何一項或多於 | | | | Number of trees 樹木數量 | Remedial action or detailed tree risk assessment | | | | | |
| 倒不屬於以下江門一項或多於 | 有规则 | | | W. W | 緩減措施或進行詳細樹木風險評估 | | | | | |
| 17 /B | laint list with structu 構或健康問題的樹木 | | ms | NII | | | | | | |
| STATE OF THE PARTY | elonging to species | | structure and hav | ing NII | | | | | | |
| | nealth or structural c | | | 3 | | | | | | |
| 屬木質脆弱品種 | 並已達成熟期及有倒 | 場風險的樹木 (Note | : 1) | | | | | | | |
| Transcription Contract International Contract | r defects or health p 康問題的樹木 (Note | | | NII | | | | | | |
| | in very stressful site | | lure potential | NII | | | | | | |
| W 100 | 環境而有倒場風險的 | | iare potentiar | | | | | | | |
| Attached Information 附夾資料 | F | | | | | | | | | |
| Site plan 場地平面圖 | X Photo reco | ord 相片紀錄 [| Others 其他 (p) | ease specify 請說明 | (9): Monthly Inspection Reports | | | | | |
| Signature of Tree Inspection Officer: | | | | | | | | | | |
| Signature of Endorsement Officer: | | | | | | | | | | |
| Name of Contractor Yan Wing (HK) Environment Management Ltd. | | | | | | | | | | |
| Date: 28-2-2013 | | | | | | | | | | |
| | | SSS | | | g Form 2) should be carried out | | | | | |
| | | | | | | | | | | |
| Compression States States Committee | The second secon | | | | | | | | | |

Inspection Report for the 6 Existing Trees at Central Police Station Compound

(Contract Ref.: J3416/400.4/D00025)

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 | Good |
| | | Good/Fair/Poor | |
| Date of Inspection | 21 st February 2013 | Last Inspection Date | 30 th January 2013 |

III. COMMENTS:

- 1. Overall health condition of the tree is good.
- 2. Cleanliness of the planter is acceptable.
- 3. The site appears clean and tidy.
- 4. The tree is in blossom at the time of inspection.
- 5. Construction works in progress outside the cordon zone.

IV. RECOMMENDATIONS:

1. No further action is required.





Fig 2. Cleanliness of the planter is acceptable.

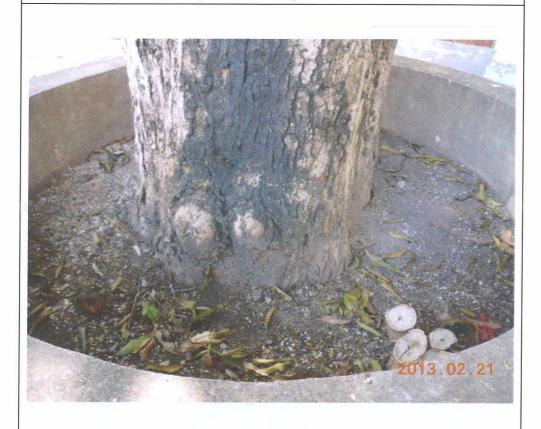


Fig. 3 The site appears clean and tidy





Fig. 4 The tree is in blossom during inspection on 21st February 2013.



Fig. 5 Appropriate notices display in front of the cordon zone.





Fig. 6 Construction works in progress outside the cordon zone

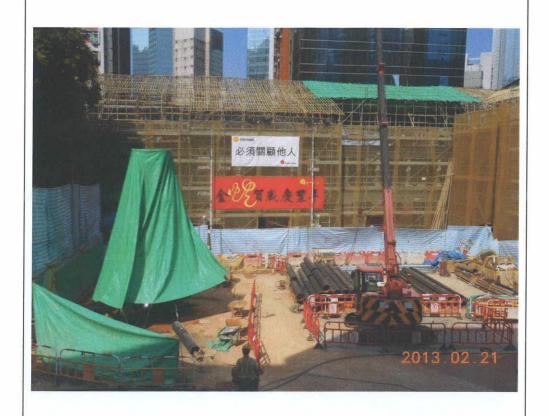


Fig. 7 The site near the entrance to Tree-5 is clean and tidy.





Fig. 8 Overall view of Tree-5 during inspection on 21st February 2013.



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

Name of Contractor:

Dated this:

Yan Wing (HK) Environment Management Ltd.

28th February 2013.



Inspection Report for the 6 Existing Trees at Central Police Station Compound

(Contract Ref.: J3416/400.4/D00025)

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 Good/Fair/Poor | Fair |
| Date of Inspection | 21 st February 2013 | Last Inspection Date | 30 th January 2013 |

III. COMMENTS:

- 1. Overall health condition of the tree is fair.
- 2. The planter is clean and tidy.
- 3. Cleanliness of the site is acceptable
- 4. Construction works in progress outside the cordon zone.
- 5. The site outside the cordon zone is clean and tidy.

IV. RECOMMENDATIONS:

1. No further action is required.





Fig 2. The planter is clean and tidy.



Fig. 3 Cleanliness of the site is acceptable at the time of inspection.

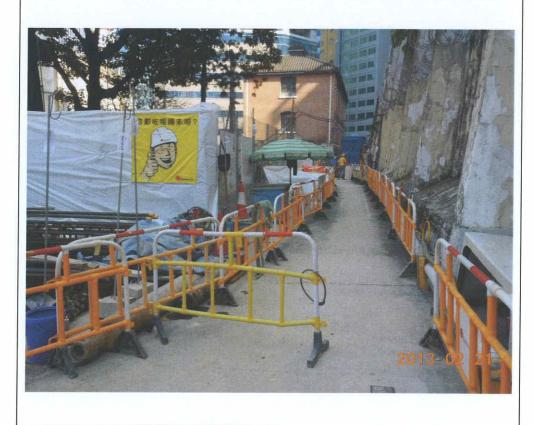




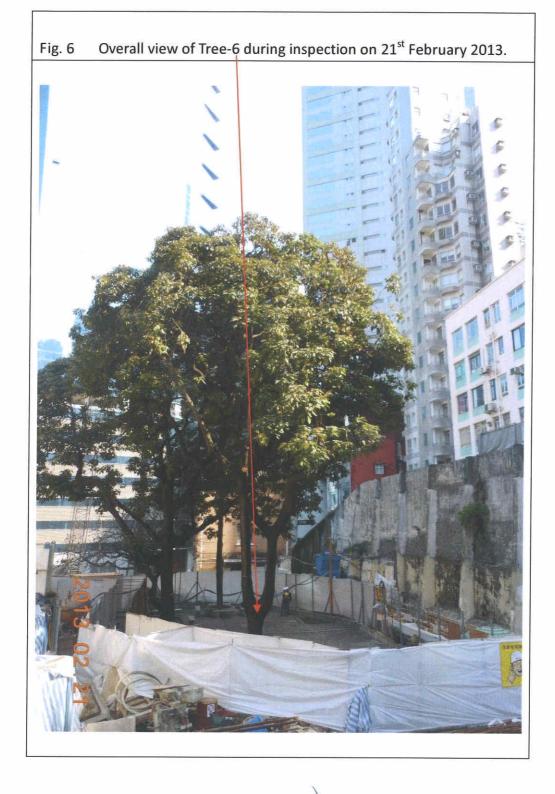
Fig. 4 Construction works in progress outside the cordon zone. Tree 6



Fig. 5 The site outside the cordon zone is clean and tidy on 21.2.2013.







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

Name of Contractor:

Dated this:

Yan Wing (HK) Environment Management Ltd.

28th February 2013



Inspection Report for the 6 Existing Trees at Central Police Station Compound

(Contract Ref. : J3416/400.4/D00025)

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 | 21 st February 2013 | Last Inspection Date | 30 th January 2013 |

III. COMMENTS:

- 1. Overall health condition of the tree is fair.
- 2. The planter is clean and tidy.
- 3. The site appears clean and tidy.
- 4. Appropriate notice displays in front of the cordon zone.
- 5. Construction works in progress outside the cordon zone.

IV. RECOMMENDATIONS:

1. No further action is required.

Fig 1. Tree number

Tree - 7

Aleurites moluccana

Maintained by:

DESCRIPTION TEL 9776 1987

2013 02.21



Fig 2. The planter is clean and tidy at the time of inspection.



Fig. 3 The site appears clean and tidy.





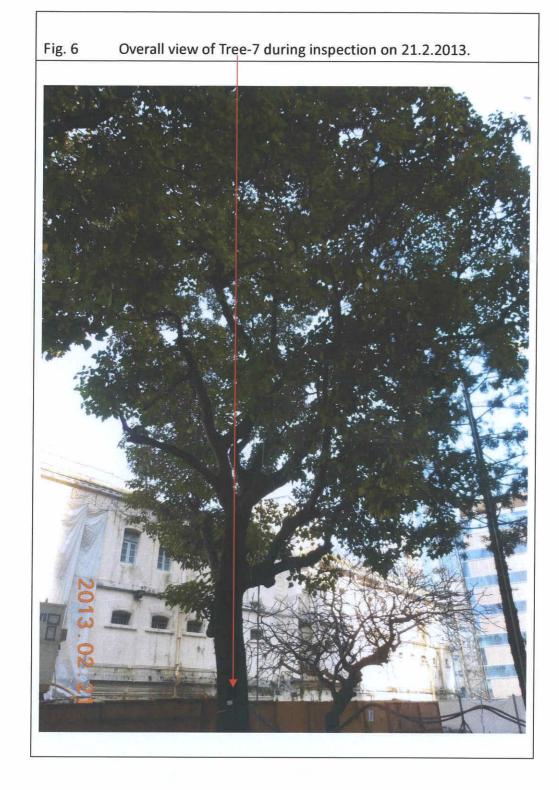
Fig. 4 Appropriate notice displays in front of the cordon zone.



Fig. 5 Construction works in progress outside the cordon zone. Tree 7







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 Ltd.

28th February 2013



Inspection Report for the 6 Existing Trees

at Central Police Station Compound

(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 Good/Fair/Poor | Fair |
| Date of Inspection | 21 st February 2013 | Last Inspection Date | 30 th January 2013 |

III. COMMENTS:

- 1. Overall health condition of the tree is fair.
- 2. The planter appears clean and tidy.
- 3. Cleanliness of the site is acceptable.
- 4. Most leaves of the tree have fallen at the time of inspection.
- 5. The site outside the cordon zone is clean and tidy.

IV. RECOMMENDATIONS:

1. No further action is required.

Tree - 8

Plumeria rubra 11 33 37 4 2013 . 02 . 21



Fig 2. The planter appears clean and tidy.



Fig. 3 Cleanliness of the site inside the cordon zone is acceptable.





Fig. 4 Most leaves of Tree-8 have fallen at the time of inspection.

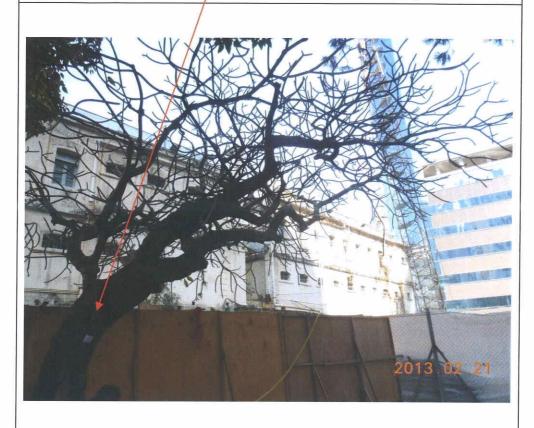


Fig. 5 The site outside the cordon zone is clean and tidy.





Fig. 6 Overall view of Tree-8 during inspection on 21st February 2013.



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

Name of Contractor:

Dated this:

Yan Wing (HK) Environment Management Ltd.

28th February 2013



Inspection Report for the 6 Existing Trees at Central Police Station Compound

(Contract Ref.: J3416/400.4/D00025)

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 | 21 st February 2013 | Last Inspection Date | 30 th January 2013 |

III. COMMENTS:

- 1. Overall health condition of the tree is fair.
- 2. Cleanliness of the planter is acceptable.
- 3. The site inside the cordon zone is clean and tidy.
- 4. Sap flow appears on the mid trunk.
- 5. The site outside the cordon zone is clean and tidy.

IV. RECOMMENDATIONS:

1. Keep close monitoring on the sap flow at regular intervals.





Fig 2. Cleanliness of the planter is acceptable.



Fig. 3 The site is clean and tidy at the time of inspection.





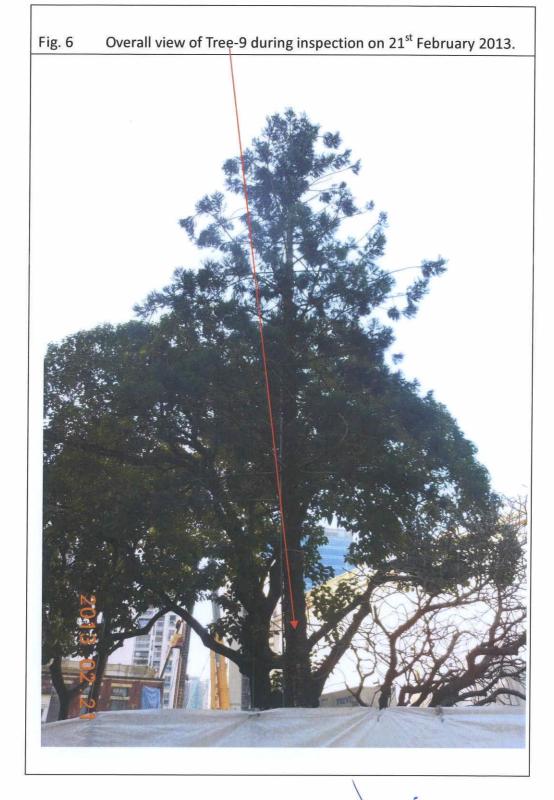
Fig. 4 Sap flow appears on the mid trunk, close monitoring at regular intervals is required.



Fig. 5 The site outside the cordon zone is clean and tidy.







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

Name of Contractor:

Dated this:

Yan Wing (HK) Environment Management Ltd.

28th February 2013



Inspection Report for the 6 Existing Trees at Central Police Station Compound

(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 | Fair |
| | | Good/Fair/Poor | |
| Date of Inspection | 21 st February 2013 | Last Inspection Date | 30 th January 2013 |

III. COMMENTS:

- 1. Overall health condition of the tree is fair.
- 2. Cleanliness of the planter is acceptable.
- 3. Cleanliness of the site is acceptable.
- 4. The site outside the cordon zone is clean and tidy.
- 5. The wooden door of the building keeps opened at the time of inspection.

IV. RECOMMENDATIONS:

1. To keep the wooden door always closed.





Fig. 2 Cleanliness of the planter is acceptable.



Fig. 3 Cleanliness of the site inside the cordon zone is acceptable.





Fig. 4 The wooden door keeps opened at the time of inspection.

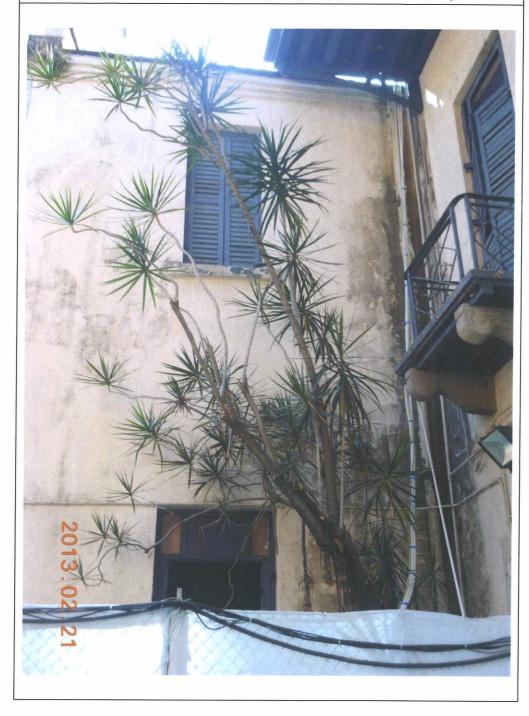


Fig. 5 The site outside the cordon zone is clean and tidy.





Fig. 6 Overall view of Tree-11 during inspection on 21st February 2013.



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

Name of Contractor:

Dated this:

Yan Wing (HK) Environment Management Ltd.

28th February 2013



Annex K

Environmental Complaint, Environmental Summon and Prosecution Log

Annex K Cumulative Complaint and Summons/Prosecutions 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 |
| Overall Total | 10 | 0 |









Central Police Station Conservation and Revitalisation Project



COMPLAINT INVESTIGATION REPORT

Basic Information of Complaint

| Log Number: | 2013/02/001 | | |
|----------------------------|-----------------------------------|--|--|
| Date of Complaint Received | 22 February 2013 | | |
| Location of Complaint | Project Site | | |
| Nature of Complaint | Noise nuisance | | |
| Complaint Received by | Gammon Construction Limited (GCL) | | |
| Complainant | Mr. Wong | | |

Details of Complaint

GCL has received a complaint on noise nuisance at 3:30pm on 22 February 2013. The complainant, a neighbourhood resident, mentioned that noise of piling works was generated from the construction site at around 4:00am on 22 February 2013. The complainant also enquired the type of permitted night works currently in effect in the project site.

Investigation Report

- 1. According to the information provided by the Contractor, no construction works were carried out at night on 22 February 2013 or at any other nights in February 2013.
- 2. It is also confirmed by the Contractor that no workers or site staff, besides security guards, were present in the project site at 4:00am on 22 February 2013.
- 3. Only the underground water pumps under the approved Construction Noise Permit (GW-RS0084-13) were operating within the project site at 4:00am on 22 February 2013. It is not considered that the operating water pumps would generate considerable noise that may affect nearby residents.
- 4. It is concluded that the noise of piling works the complainant alleged to have heard did not originate from the CPS project site.

Mitigation Measures and Follow-up Actions Recommended to Contractor

The Contractor should follow all relevant noise 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

Date of File Closed:

28 February 2013

Approved by:

ET Leader

IEC

JCCPS's

Representative

Rocco Design Architect's

Representative

(Name: Winnie Ko)

Date: 28 February 2013

(Name: Sharifah Or) (Name: C.W. Sha) Date: 28 February 2013 Date: 28 Feb 2013

(Name: CHARLES KING

Date: 28 February 2013

Gammon's Representative

(Name: CUPF

Date:

Annex L

Records of Vibration Monitoring for Trial Piling and Pipe/Bored Piling works





| Monitoring Check Pts. | Trigger Levels | | | | |
|---|----------------|-------------|-------------|--|--|
| Womtoring Check Fis. | Alert level | Alarm level | Action leve | | |
| Vibration Monitoring | 2mm/s | 2.5mm/s | 3mm/s | | |
| Vibration at largest span of highest Structural level | 5.0mm/s | 6.0mm/s | 7.5mm/s | | |

Vibration Record

| Project Title: Centra | | al Police Sta | tion Conserva | ation & Revit | talization | Project No: WP201 25-Jan-20 | | to | 7-Feb-2013 |
|-----------------------|-----------|---------------|---------------|---------------|------------|-----------------------------|--|----|------------|
| POIN | 7 | VM1-1 | VM1-2 | VM2-1 | VM3-1 | VM3-2 | | | |
| DATE | PD/(m) | mm/s | mm/s | mm/s | mm/s | mm/s | | | |
| 19-Jun-2012 | (Initial) | 0.132 | 0.698 | 0.094 | 0,086 | 0.239 | | | |
| 25-Jan-13 | | 1.190 | 0.774 | 0.403 | 0.151 | 0.159 | | | |
| 26-Jan-13 | | 0.567 | 0.194 | 0.349 | 0.603 | 0.382 | | | |
| 27-Jan-13 | | | | | | Sunday | | | |
| 28-Jan-13 | | 0.310 | 0.306 | 0.122 | 0.198 | 0.505 | | | |
| 29-Jan-13 | | 0.270 | 0.626 | 0.288 | 0.492 | 0.734 | | | |
| 30-Jan-13 | | 0.487 | 0.730 | 0.714 | 0.293 | 0.250 | | | |
| 31-Jan-13 | | 0.403 | 0.462 | 0.233 | 0.622 | 0.151 | | | |
| 01-Feb-13 | | 0.654 | 0.307 | 0.223 | 0.363 | 0.120 | | | |
| 02-Feb-13 | | 0.290 | 0.706 | 0.212 | 0.143 | 0.133 | | | |
| 03-Feb-13 | | | | | | Sunday | | | |
| 04-Feb-13 | | 0.240 | 0.522 | 0.238 | 0.105 | 0.144 | | | |
| 05-Feb-13 | | 0.142 | 0.112 | 0.093 | 0.156 | 0.166 | | | |
| 06-Feb-13 | | 0.348 | 0.284 | 0.321 | 0.362 | 0.290 | | | |
| 07-Feb-13 | | 0.407 | 0.430 | 0.925 | 0.631 | 0.695 | | | |

Prepared by: Wong Wing Yee



| Monitoring Check Pts. | | Trigger Levels | | |
|---|-------------|----------------|-------------|--|
| Womtoring Check Pts. | Alert level | Alarm level | Action leve | |
| Vibration Monitoring | 2mm/s | 2.5mm/s | 3mm/s | |
| Vibration at largest span of highest Structural level | 5.0mm/s | 6.0mm/s | 7.5mm/s | |

Vibration Record

| Project Title: Central Police Station Conservation & Revitalization | | | | Project No: WP201 | 8-Feb-2013 | to | 21-Feb-2013 | | | |
|---|-----------|-------|-------|-------------------|------------|----------------|-------------|--|--|--|
| POIN | г | VM1-1 | VM1-2 | VM2-1 | VM3-1 | VM3-2 | | | | |
| DATE | PD/(m) | mm/s | mm/s | mm/s | mm/s | mm/s | | | | |
| 19-Jun-2012 | (Initial) | 0.132 | 0.698 | 0.094 | 0.086 | 0.239 | | | | |
| 08-Feb-13 | | 0.097 | 0.108 | 0.091 | 0.370 | 0.137 | | | | |
| 09-Feb-13 | | | | | | Site Close | | | | |
| 10-Feb-13 | | | | | | Public Holiday | | | | |
| 11-Feb-13 | | | | | | Public Holiday | | | | |
| 12-Feb-13 | | | | | | Public Holiday | | | | |
| 13-Feb-13 | 1 | | | | | Public Holiday | | | | |
| 14-Feb-13 | | 0.091 | 0.116 | 0.087 | 0.128 | 0.116 | | | | |
| 15-Feb-13 | | 0.103 | 0.145 | 0.103 | 0.087 | 0.121 | | | | |
| 16-Feb-13 | | 0.094 | 0.106 | 0.087 | 0.098 | 0.129 | | | | |
| 17-Feb-13 | ļ | | | | | Sunday | | | | |
| 18-Feb-13 | | 0.151 | 0.613 | 0.103 | 0.127 | 0.184 | | | | |
| 19-Feb-13 | | 0.108 | 0.212 | 0.212 | 0.288 | 0.495 | | | | |
| 20-Feb-13 | | 0.113 | 0.150 | 1.570 | 0.106 | 0.164 | | | | |
| 21-Feb-13 | | 0.491 | 0.272 | 0.221 | 0.820 | 0.639 | | | | |

Prepared by: Wong Wing Yee



| Monitoring Check Pts. | Trigger Levels | | | | |
|---|----------------|-----------------|--------------|--|--|
| Monitoring Check Fis. | Alert level | Alarm level | Action level | | |
| Vibration Monitoring | 2mm/s | 2.5mm/s | 3mm/s | | |
| Vibration at largest span of highest Structural level | 5.0mm/s | 6.0 mm/s | 7.5mm/s | | |

Vibration Record

| Project Title: Central Police Station Conservation & Revitalization | | | | | talization | Project No: WP201 | | 22-Feb-2013 | to | 7-Mar-2013 | |
|---|------------------|----------------|-------|----------------|------------|-------------------|--|-------------|----|------------|--|
| | | | | | | | | | | | |
| POIN | Γ | V M 1-1 | VM1-2 | VM 2 -1 | VM3-1 | VM3-2 | | | | | |
| DATE | PD/(m) | mm/s | mm/s | mm/s | mm/s | mm/s | | | | | |
| 19-Jun-2012 | (Initial) | 0.132 | 0.698 | 0.094 | 0.086 | 0.239 | | | | | |
| 22-Feb-13 | | 0.496 | 0.217 | 0.222 | 1.700 | 0.420 | | | | | |
| 23-Feb-13 | | 0.495 | 0.186 | 0.117 | 0.172 | 0.166 | | | | | |
| 24-Feb-13 | | | | | | Sunday | | | | | |
| 25-Feb-13 | | 1.400 | 0.805 | 0.259 | 0.413 | 0.182 | | | | | |
| 26-Feb-13 | | 0.151 | 0.249 | 0.100 | 0.087 | 0.221 | | | | | |
| 27-Feb-13 | | 0.100 | 0.453 | 0.105 | 0.401 | 0.202 | | | | | |
| 28-Feb-13 | | 0.544 | 0.192 | 0.087 | 0.172 | 0.128 | | | | | |
| 01-Mar-13 | | 0.319 | 0.281 | 0.103 | 0.105 | 0.144 | | | | | |
| 02-Mar-13 | | 0.323 | 0.244 | 0.151 | 0.177 | 0.519 | | | | | |
| 03-Mar-13 | 03-Mar-13 Sunday | | | | | | | | | | |
| 04-Mar-13 | | | | | | | | | | | |
| 05-Mar-13 | | | | | | | | | | | |
| 06-Mar-13 | | | | | | | | | | | |
| 07-Mar-13 | | | | | | | | | | | |
| | | | | | | | | | | | |

Prepared by : Wong Wing Yee

Bored Pile Walls / Pipe Pile Walls at Block 50 WYNDHAM & B.D. Ref. No. 原宇書標案編成 3/3053/11 (日に 17 & 5 b) (Hは)(5) STREET 11SW-B/R18 No.编集 Des No. 編集 Description 說明 Date 日期 Approved 宴
- BD SUBMISSION 12/11 JS 11SW-B/R22 A DA TONHTUBAA Shiu King The Centrium Court 11SW-B/R805 11SW-B/R806 11SW-B/R23 11SW-B/R52 Plan Approved RS53-17 RT53-17 NG Kin¹shing Chief Structural Engineer for BUILDING AUTHORITY 11SW-B/R24 BS14-13/2 VMH-4 BS14-3 BS14-20 FEB 2012 RS19-7 BS3-7 -11SW-B/R53 -11SW-B/R176 →IN1-3 BS3-5/ BT3-3 **★**VM13-1/ 11SW-B/R19 BS3-8/ BT3-4 11SW-B/R174 BS14-7 11SW-B/R175 BD SUBMISSION Drawing Status 製圖狀況 36.73 LEGEND 833900 E Do not take measurements 切勿直接從圖紙上量度尺寸 Check and verify all dimensions or site 所有尺寸必須在工地現場複查及署核。 EXISTING FRESH WATER MAIN and all other related drawings. 此圈抵必须與双格以明書及其它有關國紙一併閱讀。 EXISTING SALT WATER MAIN EXISTING STREET LIGHTING NO. 33488-A1 BS2-3 BS3-2/ 11SW-B/R19 EXISTING STREET LIGHTING CABLE 11SW-B/R177 署馬會文物保育有限公司 1SW-B/R55-30 RS177-2 BS17-BT17-EXISTING LV ELECTRICITY CABLE HERZOG & DE MEURON EXISTING TELECOMMUNICATION DUCT (HUTCHISON GLOBAL COMMUNICATIONS LIMITED)
EXISTING STORMWATER DRAIN ROCCO 许字严 ADH3(S/P) DH19(BS17-11/ PROPOSED FOUL SEWER E & M Engineer JRP SITE BOUNDARY ARUP 11SW-B/R54 EXISTING RETAINING WALL ryoped দুল CENTRAL POLICE STATION CONSERVATION AND REVITALISATION PROJECT → DH1 (S,P) UT: EXISTING DRILLHOLF WITH STANDPIPE/PIEZOMETER Drawing Title III & UT2 RS178−1/ ⊠ RS178−1/ BS1-1/BT1-1 PROPOSED BUILDING SETTLEMENT POINTS/TILTMETER MONITORING LAYOUT PLAN OEC 23 P 2:09 PROPOSED RETAINING WALL SETLEMENT POINTS/TILTMETER RS174-1/RT174-1 PERMIT IS CRITAINED AS ALTERNATIVE PERMIT IS CRITAINED AS ALTERNATIVE 1 **→**IN1-1 PERSONNES OBTAINED AS ALTERNATIVE SETTLEMENT FORMY (SELECTION OF SELECTION OF STATE OF SETTLEMENT AS AS AS OF SETTLEMENT AS AS AS OF SETTLEMENT HARRES SETTLEMENT HARRES SUIT TO 19 THE LOCAL AS SETTLEMENT HARRES SUIT TO 19 THE LOCAL ASSOCIATION OF SETTLEMENT HARRES SUIT TO 19 THE SETTLEMENT SUI PROPOSED INCLINOMETER TO BE BUILT IN BORED PILE OR FIPE PILE WALL K.C.Lai 1:300@A1 Ø^{GS1} Drawing No. 国状 00-0AP209674-G-001 PROPOSED GROUND SETTLEMENT POINTS 2011 UT1 Loon PROPOSED UTILITY MONITORING POINTS SETTINES WITH THE STETT LEMENT ATTENTY OF CUT BAILEY WING TO THE CONTROL OF CONTROL OF CONTROL OF CUT BAILEY WING TELS WEEKS **→**VM1−1 9817 PROPOSED VIBRATION MONITORING POINTS ACH1(S/P) PROPOSED ADDITIONAL DRILLHOLE

WW 恆誠建築工程有限公司 Win Win Way Construction Company Ltd.

(Bored Pile Walls / Pipe Pile Walls at Block 50)

| Manitoring Check Dtg | Trigger Levels | | | | | | |
|---|----------------|-------------|---------|--|--|--|--|
| Monitoring Check Pts. Vibration Monitoring | Alert level | Alarm level | | | | | |
| Vibration Monitoring | 2mm/s | 2.5mm/s | 3mm/s | | | | |
| Vibration at largest span of highest Structural level | 5.0mm/s | 6.0mm/s | 7.5mm/s | | | | |

Vibration Record

| roject Title: | Title: Central Police Station Conservation & Revitalization | | on | Project No: W | P201 | 27-Jan-2013 | 9-Feb-201 | | | |
|----------------|---|-------|--------|---------------|--------|-------------|-----------|--------|--------|--------|
| 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 (| Initial) | 0.56 | 0.13 | 0.19 | 0.22 | 0.13 | 0.21 | 0.13 | 0.13 | 0.37 |
| Surveying Date | | | | | | | | 1 | | |
| 27-Jan-2013 | | | | | | Sunday | | | | |
| 28-Jan-2013 | | 0.18 | 0.24 | 0.18 | 0.15 | 0.35 | 0.20 | 0.23 | 0.18 | 0.61 |
| 29-Jan-2013 | | 0.35 | 0.22 | 0.21 | 0.16 | 0.25 | 0.36 | 0.14 | 0.39 | 0.11 |
| 30-Jan-2013 | | 0.13 | 0.14 | 0.14 | 0.14 | 0.14 | 0.17 | 0.15 | 0.13 | 0.41 |
| 31-Jan-2013 | | 0.29 | 0.12 | 0.21 | 0.19 | 0.24 | 0.13 | 0.21 | 0.16 | 0.13 |
| 1-Feb-2013 | | 0.23 | 0.24 | 0.17 | 0.11 | 0.26 | 0.21 | 0.24 | 0 26 | 0.37 |
| 2-Feb-2013 | | 0.23 | 1.21 | 0.23 | 0.11 | 0.59 | 0,21 | 0.28 | 0.32 | 0.26 |
| 3-Feb-2013 | | | | | | Sunday | | | | |
| 4-Feb-2013 | | 0.68 | 0.51 | 0.62 | 0.45 | 0.27 | 0.12 | 0.37 | 0.64 | 0.16 |
| 5-Feb-2013 | | 0.13 | 0.27 | 0.20 | 0.29 | 0.50 | 0.38 | 0.24 | 0.34 | 0.45 |
| 6-Feb-2013 | | 0.18 | 0,12 | 0.25 | 0.15 | 0.30 | 0.16 | 0.15 | 0.15 | 0.13 |
| 7-Feb-2013 | | 0.19 | 0.16 | 0.13 | 0.49 | 0.21 | 0.40 | 0.17 | 0.18 | 0.19 |
| 8-Feb-2013 | | 0.20 | 0.17 | 0.26 | 0.31 | 0.33 | 0.24 | 0,22 | 0.30 | 0.24 |
| 9-Feb-2013 | | | | | | Site Close | | | | ' |
| Remark | | | | | | | | | | |

(Bored Pile Walls / Pipe Pile Walls at Block 50)

| Monitoring Check Pts. Vibration Monitoring | Trigger Levels | | | | | | | |
|---|----------------|-------------|--------------|--|--|--|--|--|
| Monteoring Check 1 ts. | Alert level | Alarm level | Action level | | | | | |
| Vibration Monitoring | 2mm/s | 2.5mm/s | 3mm/s | | | | | |
| Vibration at largest span of highest Structural level | 5.0mm/s | 6.0mm/s | 7.5mm/s | | | | | |

Vibration Record

| Project Title: | Central P | Police Station | Conservation | & Revitalization | on | Project No: W | P201 | 10-Feb-2013 | to | 23-Feb-2013 |
|----------------|-----------|----------------|--------------|------------------|--------|----------------|--------|-------------|--------|-------------|
| 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 | (Initial) | 0.56 | 0.13 | 0.19 | 0.22 | 0.13 | 0.21 | 0.13 | 0.13 | 0.37 |
| Surveying Date | | | | | | | | | 01.0 | 0.57 |
| 10-Feb-2013 | | | | | | | | | | |
| 11-Feb-2013 |] | | | | - | DESCRIPTION OF | | | | |
| 12-Feb-2013 | | | | | F. | ublic Holiday | | | | |
| 13-Feb-2013 | | | | | | | | | | |
| 14-Feb-2013 | | 0.14 | 0.26 | 0.24 | 0.15 | 0.91 | 0.16 | 0.15 | 0.24 | 0.13 |
| 15-Feb-2013 | | 0.21 | 0.18 | 0.32 | 0.24 | 0.30 | 0.17 | 0.12 | 0.16 | 0.22 |
| 16-Feb-2013 | | 0.32 | 0.18 | 0.23 | 0.17 | 0.24 | 0.31 | 0.22 | 0.27 | 0.30 |
| 17-Feb-2013 | | | | | | Sunday | | | | 0.50 |
| 18-Feb-2013 | | 0.16 | 0.15 | 0.23 | 0.25 | 0.47 | 0.12 | 0.36 | 0.18 | 0.14 |
| 19-Feb-2013 | | 0.17 | 0.16 | 0.25 | 0.22 | 0.35 | 0.20 | 0.15 | 0.23 | 0.15 |
| 20-Feb-2013 | | 0.35 | 0.36 | 0.52 | 0.32 | 0.25 | 0.13 | 0.24 | 0.32 | 0.14 |
| 21-Feb-2013 | | 0.15 | 0.22 | 0.12 | 0.62 | 0.13 | 0.20 | 0.36 | 0.12 | 0.24 |
| 22-Feb-2013 | | 0.24 | 0.32 | 0.17 | 0.17 | 0.25 | 0.22 | 0.14 | 0.26 | 0.17 |
| 23-Feb-2013 | | 0.35 | 0.27 | 0.26 | 0.26 | 0.17 | 0.19 | 0.29 | 0.31 | 0.33 |
| Remark | | | | | | | | | 3.2 | 0133 |

M

(Bored Pile Walls / Pipe Pile Walls at Block 50)

| Manitorina Chaol. Dto | Trigger Levels | | | | | | |
|---|----------------|-------------|--------------|--|--|--|--|
| Monitoring Check Pts. Vibration Monitoring | Alert level | Alarm level | Action level | | | | |
| Vibration Monitoring | 2mm/s | 2.5mm/s | 3mm/s | | | | |
| Vibration at largest span of highest Structural level | 5.0mm/s | 6.0mm/s | 7.5mm/s | | | | |

Vibration Record

| Project Title: | Central F | Police Station | Conservation | & Revitalization | on | Project No: W | P201 | 24-Feb-2013 | 9-Mar-2013 | |
|----------------|-----------|----------------|--------------|------------------|--------|---------------|--------|-------------|------------|--------|
| POIN | | 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 | (Initial) | 0.56 | 0.13 | 0.19 | 0.22 | 0.13 | 0.21 | 0.13 | 0.13 | 0.37 |
| Surveying Date | | | | | | | | | | |
| 24-Feb-2013 | | | | | | Sunday | | | | |
| 25-Feb-2013 | 1 | 0.26 | 0.24 | 0.16 | 0.20 | 0.17 | 0.30 | 0.22 | 0.11 | 0.28 |
| 26-Feb-2013 | | 0.20 | 0.50 | 0.30 | 0.22 | 0.10 | 0.28 | 0.20 | 0.17 | 0.33 |
| 27-Feb-2013 | | 0.13 | 0.33 | 0.28 | 0.11 | 0.19 | 0.55 | 0.32 | 0.51 | 0.13 |
| 28-Feb-2013 | | 0.22 | 0.27 | 0.31 | 0.19 | 0.40 | 0.26 | 0.20 | 0.14 | 0.16 |
| 1-Mar-2013 | | 0.18 | 0.15 | 0.25 | 0.16 | 0.51 | 0.24 | 0.36 | 0.16 | 0.18 |
| 2-Mar-2013 | | 0.33 | 0.24 | 0.16 | 0.28 | 0.15 | 0.30 | 21.00 | 0.28 | 0.29 |
| 3-Mar-2013 | | | | | | Sunday | ··· | | | |
| 4-Mar-2013 | | 0.22 | 0.31 | 0.13 | 0.51 | 0.39 | 0.16 | 0.16 | 0.22 | 0.69 |
| 5-Mar-2013 | | | | | | | | | | |
| 6-Mar-2013 | | | | | | | | | | |
| 7-Mar-2013 | | | | | | | | | | |
| 8-Mar-2013 | | | | | | | | | | |
| 9-Mar-2013 | | | | | | | | | | |
| Remark | | | | | | | | | | |

Shaft Granted Pre-boved H-piles at Block 51 (Arbithnot Wing) WYNDHAM & STREET 11SW-B/R18 11SW-B/R22 BO SUBMISSION (50) 12/1
BO SUBMISSION (01) 03/1:
BO SUBMISSION (01) 03/1:
BO SUBMISSION (17) 03/1:
BO SUBMISSION RV BATCH 1 03/1:
FOR INFROMATION (50) 03/1: 11SW-B/R17-Shiu King The Centrium Court 11SW-B/R23-115W-B/R52 Chief Streetural Engineer for BUILDING AUTRORITY -11SW-B/R24 W BS13-4 13 JUL 2012 - 11SW-B/R53 -11SW-8/R176 ₩13-1/ 11SW-B/R19-B\$1-14 853-8/ 813-4 11SW-B/R174-MONITORING ZONE A 11SW-B/R175-BD SUBMISSION Drawing Status 製腦狀況 Do not take measure/cents o 切的直接位额统上偏径尺寸。 Chock and verify 20 corrections on th 所有尺寸必須在工地批學資金以棄紙 Read this displayed on computation was used at other related displaying.

企業就分享其他近郊市及其它有新疆以一场阅读。 EXISTING SALT WATER MAIN EXISTING STREET LICHTING NO. 33488-AT 11SW-8/R19 11SW-B/R177-EXISTING STREET LIGHTING CABLE 要馬會支票部分有限公司 EXISTING TELECOMMUNICATION DUCT **最終終於國際首都於2016年11月2日** 17月2日 EXISTING FOUL SEWER ROCCO DH19(BS17-11) JRP ARUP EXISTING RETAINING WALL Project WE CENTRAL POLICE STATION CONSERVATION AND REVITALISATION PROJECT 11SW-B/R54 Drawing Tale M.E.
MONITORING LAYOUT PLAN BS1-1/BI1-1 PROPOSED BUILDING SETTLEMENT POINTS/TICTMETER RS174-1/RT174-1 PROPOSED RETAINING WALL SETTLEMENT POINTS/TILTMETER 1:3008A1 K.C.L.cs AL Frankrig No. 36th C.C.L.cs AL Frankrig No. 36 PROPOSED GROUND SETTLEMENT POINTS ₩ W PROPOSED UTILITY MONITORING POINTS 2,4 **₩**1-1 PROPOSED VIBRATION MONITORING POINTS CHAPTER ERAC YORY PROPOSED ADDITIONAL ORILLHOLE Motore Participal county Within



(Shaft Grouted Pre-bored H-piles at Block 51)

| Monitoring Check Pts. | Trigger Levels | | | | | | |
|------------------------|----------------|-------------|-------|--|--|--|--|
| Monitoring Check 1 is. | Alert level | Alarm level | | | | | |
| Vibrating Monitoring | 2mm/s | 2,5mm/s | 3mm/s | | | | |

Vibration Record

| Project Title | : Central | Police Station | Conservation | & Revitalization | Project No: WP201 | 3-Feb-2013 | to | 16-Feb-2013 |
|---------------|-----------|----------------|--------------|------------------|-------------------|------------|----|-------------|
| 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 | | | | |
| 3-Feb-2013 | | | | | Sunday | | | |
| 4-Feb-2013 | | 0.26 | 0.37 | 0.70 | | | | |
| 5-Feb-2013 | | 0.39 | 0.13 | 0.16 | | | | |
| 6-Feb-2013 | | 0.18 | 0.19 | 0.25 | | | | |
| 7-Feb-2013 | | 0.15 | 0.20 | 0.21 | | | | |
| 8-Feb-2013 | | 0.20 | 0.17 | 0.26 | | | | |
| 9-Feb-2013 | | | | | Site Close | | | |
| 10-Feb-2013 | | | | | | | | |
| 11-Feb-2013 | | | | | Public Holiday | | | |
| 12-Feb-2013 | | | | | 1 ubne Holiday | | | |
| 13-Feb-2013 | | | | | | | | |
| 14-Feb-2013 | | 0.14 | 0.12 | 0.19 | | | | |
| 15-Feb-2013 | | 0.17 | 0.19 | 0.25 | | | | |
| 16-Feb-2013 | | 0.20 | 0.31 | 0.15 | | | | |
| Remarks | | | | | | | | |

₩₩ 恆誠建築工程有限公司

Win Win Way Construction Company Ltd.

(Shaft Grouted Pre-bored H-piles at Block 51)

| Monitoring Check Pts. | Trigger Levels | | | | | | | |
|-----------------------|----------------|-------------|--------------|--|--|--|--|--|
| Monitoring Check Fts. | Alert level | Alarm level | Action level | | | | | |
| Vibrating Monitoring | 2mm/s | 2.5mm/s | 3mm/s | | | | | |

Vibration Record

| Project Title: | Central | Police Station | n Conservation | & Revitalization | Project No: WP201 | 17-Feb-2013 | to | 2-Mar-2013 |
|----------------|-----------|----------------|----------------|------------------|-------------------|-------------|----|------------|
| | | | T T | | | | | 1 |
| 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 | | | | |
| 17-Feb-2013 | | | | | Sunday | | | |
| 18-Feb-2013 | | 0.25 | 0.12 | 0.25 | | | | |
| 19-Feb-2013 | | 0.19 | 0.21 | 0.18 | | | | |
| 20-Feb-2013 | | 0.15 | 0.16 | 0.23 | | | | |
| 21-Feb-2013 | | 0.43 | 0.14 | 0.13 | | | | |
| 22-Feb-2013 | | 0.23 | 0.20 | 0.26 | | | | |
| 23-Feb-2013 | | 0.33 | 0.27 | 0.30 | | | | |
| 24-Feb-2013 | | | | | Sunday | | | |
| 25-Feb-2013 | | 0.27 | 0.17 | 0.28 | | | | |
| 26-Feb-2013 | | 0.25 | 0.19 | 0.13 | | | | |
| 27-Feb-2013 | | 0.59 | 0.56 | 0.66 | | | | |
| 28-Feb-2013 | | 0.36 | 0.21 | 0.26 | | | | |
| 1-Mar-2013 | | 0.15 | 0.14 | 0.62 | | | | |
| 2-Mar-2013 | | 0.29 | 0.10 | 0.14 | | | | |
| Remarks | | - | | | | | | |

Vibration Monitoring Locations for Trial Pile near Block 17 WYNDHAM 8 STREET 11SW-BVA68 No. #281 Description [2879] Date EL991

- BD SUBMISSION 07/11

A TENDER DRAWING 08/11

B TENDER ADDENDUM 09/11

C BD RE-SUBMISSION 09/11 Shiu King The Centrium -11SW-B/R21 -- 115W-3/CR56 Court NG Kir-shing Chief Structural Engineer for BUILDING AUTHORITO 1 7 NOV 2011 - 1°SW-B/R53 TP33 LEGEND EXISTING BOREHOLE (DONE BY OTHERS) BD SUBMISSION EXISTING TRIAL PIT (DONE BY OTHERS) Drawing Status 製圖狀況 EXISTING COREHOLE (DONE BY OTHERS) of relevant consultants. 本關紙及其內容的版權案有關顧問公司所有。 PROPOSED OLD BALLEY WING (OBW) EXISTING DRILLHOLE (DONE BY OAP) relevant consustants. 未提有關鎖特公司書面同意。不将模型此圖版內任何 也發出時計 - Do not take measurements dracely from this drawing 切を直接役置紙上線度尺寸。 EXISTING TRAL PIT (DONE BY OAP) (IO-BE/SUPPORTED BY SHAFT-GROUTED PRE-BOARD H-PILES) Check and verify all cimensions or site 所有尺寸必須在工地現場複查及客核 EXISTING HORIZONTIAL/INCLINED COREI-OLE (DONE BY OAP) Read this drawing in conjunction with the specifications and all other related drawings.
此國領必須民張裕設明書及其它有韓國銀一件閱讀。 EXISTING P-VALD (TO BE SUPPORTED BY SHAFT-GROUTEL DH2D(S,P) MINI-PILES) EXISTING VERTICAL COREHOLE (DONE BY CAP) Notify the relevant consultants immediately of any discrepancy found herein 如發現內各有任何課認之處。應立刻遵算有關額關公司 Client 進丰 EXISTING INCLINED DRILLHOLE (DONE BY CAP) HERZOG & DE MEURON TRIAL PILE (SHAFT-GROUTED PREBORED H-PILE) ⊕ TP-H1 HILD COLD BY THE PROPERTY OF T TRIAL PILE (SHAFT-GROUTED MINI-PILE) OTP-W1 ROCCO PROPOSED BUILDING SETTLEMENT POINTS/ TILIMETER (BS1/BT1 TO BS7/BT7) E & M Engineer PROPOSED GROUND SETTLEMENT POINTS (GS1 TO GS8) JRP ARUP PROPOSED VIBRATING MONITORING (VM1 TO VM12) (DURING PILE CONSTRUCTION CNLY) Project 単目 CENTRAL POLICE STATION CONSERVATION AND REVITALISATION EXISTING SALT WATER MAIN Drawing Title MEZ
LAYOUT PLAN FOR SHAFT
GROUTED PILE FOUNDATION EXISTING STREET LIGHTING NO. 33488-A1 EXISTING STREET LIGHTING CABLE (TRIAL PILE & MONITORING) EXISTING HV ELECTRICITY CABLE K.C.Lai TRIAL PILE SCHEDULE F/005 TENTATIVE (UNDING LEVEL (mPD) -6.82 INTERFACE LEVEL
BETWEEN COLLUVIUM
AND CDG(mPD)
+44.00 EXISTING TELECOMMUNICATION DUC HUTCHISON GLOBAL COMMUNICATION LIMITED)
EXISTING STORMWATER DRAIN +55.70 T) 150 EXISTING FOUL SEWER 833881 815774 +55.70 +56.49 +44.00 +22.22 TP-M2 833876 815820 +50.00 +50.79 +34.00 +12.56 38.23 PROPOSED FOUL SEWER

Cod file : 209674_F005.dwg

195 :5 cd b1 d35 1102

WW 恆誠建築工程有限公司

Win Win Way Construction Company Ltd.

| Manitoring Charle Dto | Trigger Levels | | | | | | | |
|-----------------------|----------------|-------------|--------------|--|--|--|--|--|
| Monitoring Check Pts. | Alert level | Alarm level | Action feed. | | | | | |
| Vibrating Monitoring | 5mm/s | 6mm/s | 7.5mm/s | | | | | |

Vibration Record

| Project Titl | le: Centr | al Police | Station | Conserva | ation & R | levitaliza | tion | | Project No: WP201 | | | 10-Fel | o-2013 | to | 23-Fel | b-2013 |
|--------------|-----------|-----------|---------|----------|-----------|------------|------|------|-------------------|------|------|--------|--------|------|--------|--------|
| POIN | T | VM1 | VM2 | VM3 | VM4 | VM5 | VM6 | VM7 | VM8 | VM9 | VM10 | VM11 | VM12 | VM13 | VM14 | VM15 |
| DATE | PD/(m) | 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 |
| 2-Apr-2012 | (Initial) | 0.58 | 0.18 | 0.18 | 0.66 | 1.4 | 0.25 | 1.14 | 0.65 | 0.28 | 0.22 | 0.18 | 0.22 | 0.18 | 0.22 | 0.22 |
| 5-Jan-2013 | | 0.18 | 0.13 | 0.10 | 0.11 | 0.14 | 0.11 | 0.15 | 0.13 | 0.22 | 0.16 | 0.13 | 0.20 | 0.23 | 0.11 | 0.11 |
| 6-Jan-2013 | | | | | | | | 5 | Sunday | | | | | 0.20 | 0.11 | 0.11 |
| 7-Jan-2013 | | 0.17 | 0.16 | 0.18 | 0.17 | 0.22 | 0.17 | 0.21 | 0.15 | 0.17 | 0.35 | 0.43 | 0.18 | 0.18 | 0.15 | 0.17 |
| 8-Jan-2013 | | 0.13 | 0.13 | 0.13 | 0.12 | 0.14 | 0.15 | 0.19 | 0.15 | 0.15 | 0.21 | 0.35 | 0.18 | 0.18 | 0.23 | 0.20 |
| 9-Jan-2013 | | 0.24 | 0.21 | 0.34 | 0.22 | 0.11 | 0.33 | 0.17 | 0.14 | 0.11 | 0.13 | 0.14 | 0.13 | 0.18 | 0.12 | 0.14 |
| 10-Jan-2013 | | 0.18 | 0.19 | 0.59 | 0.14 | 0.28 | 0.23 | 0.19 | 0.12 | 0.22 | 0.18 | 0.13 | 0.22 | 0.28 | 0.13 | 0.14 |
| 11-Jan-2013 | | 0.22 | 0.20 | 0.13 | 0.17 | 0.15 | 0.13 | 0.14 | 0,21 | 0.18 | 0.23 | 0.17 | 0.25 | 0.13 | 0.12 | 0.14 |
| 12-Jan-2013 | | 0.20 | 0.24 | 0.14 | 0.12 | 0.12 | 0.24 | 0,10 | 0.19 | 0.17 | 0.28 | 0.15 | 0.14 | 0.11 | 0.12 | 0.26 |
| 16-Jan-2013 | | 0.16 | 0.14 | 0.15 | 0.13 | 0.14 | 0.14 | 0.14 | 0.14 | 0.12 | 0.17 | 0.14 | 0.15 | 0.24 | 0.72 | 0.15 |
| 23-Jan-2013 | | 0.15 | 0.15 | 0.25 | 0.29 | 0.30 | 0.14 | 0.15 | 0.13 | 0.27 | 0.14 | 0.14 | 0.22 | 0.13 | 0.09 | 0.13 |
| 30-Jan-2013 | | 0.63 | 0.15 | 0.14 | 0.14 | 0.16 | 0.14 | 0.38 | 0.15 | 0.14 | 0.13 | 0.13 | 0.20 | 0.14 | 0.15 | 0.10 |
| 6-Feb-2013 | | 0.24 | 0.21 | 0.34 | 0.22 | 0.11 | 0.14 | 0.21 | 0.18 | 0.23 | 0.17 | 0.25 | 0.17 | 0.16 | 0.18 | 0.29 |
| 14-Feb-2013 | | 0.15 | 0.31 | 0.36 | 0.19 | 0.17 | 0.28 | 0.15 | 0.14 | 0.28 | 0.23 | 0.29 | 0.30 | 0.14 | 0.15 | 0.22 |
| 21-Feb-2013 | | 0.23 | 0.29 | 0.30 | 0.22 | 0.15 | 0.17 | 0.36 | 0.40 | 0,11 | 0.19 | 0.17 | 0.28 | 0.15 | 0.14 | 0.34 |

Annex M

Records of Vibration Monitoring for Other Construction Works



| Monitoring Check Pts. | Trigger Levels | | | | | |
|-----------------------|----------------|-------------|--------------|--|--|--|
| Montoring Check Fis. | Alert level | Alarm level | Action level | | | |
| Vibrating Monitoring | 2mm/s | 2.5mm/s | 3mm/s | | | |

Vibration Record

| Project Title | : Central | Police Station | n Conservation | ect No: WP201 | 27-Jan-2013 | to | 9-Feb-2013 | | |
|---------------|-----------|----------------|----------------|---------------|-------------|------------|------------|--|----|
| POINT | | VM14-1 | VM14-2 | VM14-3 | VM14-4 | | | | |
| DATE | PD/(m) | mm/s | mm/s | mm/s | mm/s | | | | - |
| 19-Nov-12 (| Initial) | 0.103 | 0.112 | 0.147 | 0.136 | | | | |
| 27-Jan-2013 | ľ. | | | | | Sunday | | | |
| 28-Jan-2013 | | 0.18 | 0.18 | 0.20 | 0.18 | | | | |
| 29-Jan-2013 | | 0,20 | 0.20 | 0.36 | 0.12 | | | | |
| 30-Jan-2013 | | 0.23 | 0.17 | 0.17 | 0.17 | | | | |
| 31-Jan-2013 | | 0.25 | 0.16 | 0.13 | 0.15 | | | | |
| 1-Feb-2013 | | 0.18 | 0.48 | 0.21 | 0.23 | | | | |
| 2-Feb-2013 | | 0.30 | 0.25 | 0.21 | 0.12 | | | | |
| 3-Feb-2013 | | | | | | Sunday | | | |
| 4-Feb-2013 | | 0.26 | 0.45 | 0.12 | 0.26 | | | | |
| 5-Feb-2013 | | 0.11 | 0.13 | 0.38 | 0.39 | | | | |
| 6-Feb-2013 | | 0.28 | 0.15 | 0.16 | 0.18 | | | | |
| 7-Feb-2013 | | 0.19 | 0.14 | 0.40 | 0.15 | | | | |
| 8-Feb-2013 | | 0.16 | 0.17 | 0.24 | 0.20 | | | | |
| 9-Feb-2013 | | | | | | Site Close | | | -1 |
| Remarks | | | | | | | | | |

₩₩ 恆誠建築工程有限公司

Win Win Way Construction Company Ltd.

| Monitoring Check Pts. | Trigger Levels | | | | |
|-----------------------|----------------|-------------|-----------|--|--|
| Would ing Check Fis. | Alert level | Alarm level | Amini hed | | |
| Vibrating Monitoring | 2mm/s | 2.5mm/s | 3mm/s | | |

Vibration Record

| Project Title: | Central | Police Station | n Conservation | ct No: WP201 | 10-Feb-2013 | to | 23-Feb-2013 | | |
|----------------|---------|----------------|----------------|--------------|-------------|-----------------|-------------|--|---|
| POINT | | VM14-1 | VM14-2 | VM14-3 | VM14-4 | | | | |
| DATE | PD/(m) | mm/s | mm/s | mm/s | mm/s | | | | |
| 19-Nov-12 (I | nitial) | 0.103 | 0.112 | 0.147 | 0.136 | | | | |
| 10-Feb-2013 | | | | | | | | | |
| 11-Feb-2013 | | | | | _ | 2.37 (1.77) 2.1 | | | |
| 12-Feb-2013 | | | | | P | ublic Holiday | | | |
| 13-Feb-2013 | | | | | | | | | |
| 14-Feb-2013 | | 0.11 | 0.24 | 0.16 | 0.14 | | | | |
| 15-Feb-2013 | | 0.20 | 0.13 | 0.17 | 0.17 | | | | |
| 16-Feb-2013 | | 0.20 | 0.17 | 0.31 | 0.20 | | | | |
| 17-Feb-2013 | | | | | | Sunday | | | |
| 18-Feb-2013 | | 0.19 | 0.14 | 0.12 | 0.25 | | | | |
| 19-Feb-2013 | | 0.18 | 0.20 | 0,20 | 0.19 | | | | |
| 20-Feb-2013 | | 0.21 | 0.32 | 0.13 | 0.15 | | | | - |
| 21-Feb-2013 | | 0.13 | 0.29 | 0.20 | 0.43 | | | | |
| 22-Feb-2013 | | 0.22 | 0.18 | 0.22 | 0.23 | | | | |
| 23-Feb-2013 | | 0.36 | 0.26 | 0.19 | 0.33 | | | | |
| Remarks | | | | | | | | | |

//// 恆誠建築工程有限公司

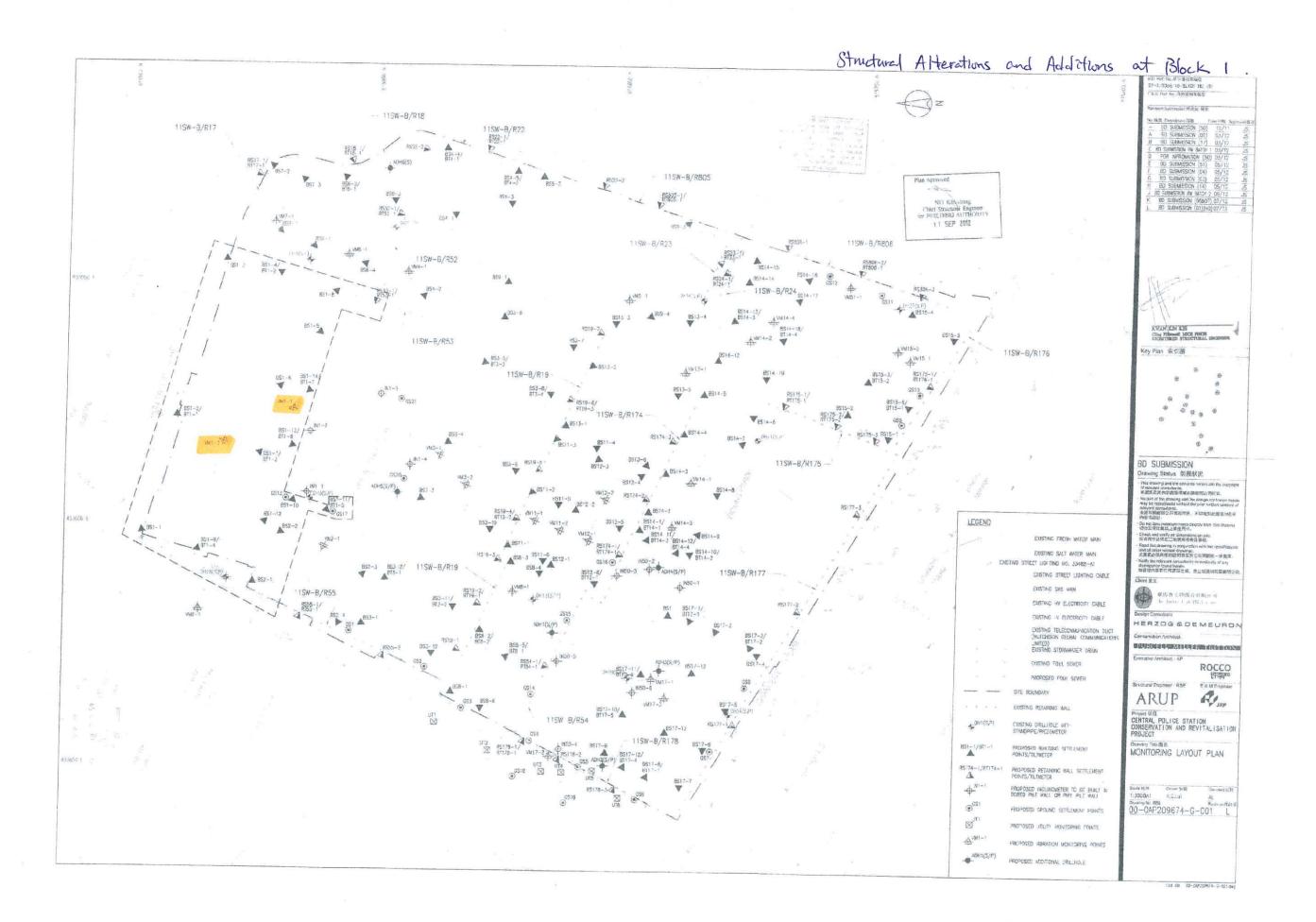
Win Win Way Construction Company Ltd.

| Monitoring Check Pts. | Trigger Levels | | | | | |
|-----------------------|----------------|--------------|-------------|--|--|--|
| Wightering Check Pts. | Alert level | Aların level | Action leve | | | |
| Vibrating Monitoring | 2mm/s | 2.5mm/s | 3mm/s | | | |

Vibration Record

| Project Title: | Central | Police Station | n Conservation | & Revitalizati | on Proje | ect No: WP201 | 24-Feb-2013 | to | 9-Mar-2013 |
|----------------|----------|----------------|----------------|----------------|----------|---------------|-------------|----|------------|
| POINT | - | VM14-1 | VM14-2 | VM14-3 | VM14-4 | | | | |
| DATE | PD/(m) | mm/s | mm/s | mm/s | mm/s | | | | |
| 19-Nov-12 (| Initial) | 0.103 | 0.112 | 0.147 | 0.136 | | | | |
| 24-Feb-2013 | | | | | | Sunday | | | |
| 25-Feb-2013 | | 0.17 | 0.17 | 0.30 | 0.27 | | | | 1 |
| 26-Feb-2013 | | 0.23 | 0.10 | 0.28 | 0.25 | | | | |
| 27-Feb-2013 | | 0.13 | 0.19 | 0.55 | 0,59 | | | | |
| 28-Feb-2013 | | 0.27 | 0.40 | 0.26 | 0.36 | | | | |
| 1-Mar-2013 | | 0.16 | 0.51 | 0.24 | 0.15 | | | | |
| 2-Mar-2013 | | 0.19 | 0.15 | 0.30 | 0.29 | | | | |
| 3-Mar-2013 | | | | | | Sunday | | | |
| 4-Mar-2013 | | 0.55 | 0.13 | 0.57 | 0.30 | | | | |
| 5-Mar-2013 | | | | | | | | | |
| 6-Mar-2013 | | | | | | | | | |
| 7-Mar-2013 | | | | | | | | | |
| 8-Mar-2013 | | | | | | | | | |
| 9-Mar-2013 | | | | | | | | | |
| Remarks | | | | | | | | | |

M





| Monitoring Check Pts. | Trigger Levels | | | | | |
|---|----------------|-------------|-------------|--|--|--|
| Wolfforfig Check Fts, | Alert level | Alarm level | Action love | | | |
| Vibration Monitoring | 2mm/s | 2.5mm/s | 3mm/s | | | |
| Vibration at largest span of highest Structural level | 5.0mm/s | 6.0mm/s | 7.5mm/s | | | |

| roject Title: Central Police Station Conservation & Revitalization | | | | | | Project No: WP202 | 24-Jan-2013 | to | 6-Feb-2013 |
|--|----------|--------|--------|--------|------|-------------------|-------------|----|------------|
| POIN | Т | VM1-1* | VM1-2* | | | | | | |
| DATE | PD/(m) | mm/s | mm/s | mm/s | mm/s | mm/s | | | |
| 11-12-12 (| Initial) | 0.132 | 0.698 | | | | | | |
| 24-Jan-13 | | 0.228 | 1.700 | | | | | | |
| 25-Jan-13 | | 1.190 | 0.774 | | | | | | |
| 26-Jan-13 | | 0.567 | 0.194 | | | | | | |
| 27-Jan-13 | | | | SUNDAY | | | | | |
| 28-Jan-13 | | 0.310 | 0.306 | | | | | | |
| 29-Jan-13 | | 0.270 | 0.626 | | | | | | |
| 30-Jan-13 | | 0.487 | 0.730 | | | | | | |
| 31-Jan-13 | | 0.403 | 0.462 | | | | | | |
| 01-Feb-13 | | 0.654 | 0.307 | | | | | | |
| 02-Feb-13 | | 0.290 | 0.706 | | | | | | |
| 03-Feb-13 | | | | SUNDAY | | | | | |
| 04-Feb-13 | | 0.240 | 0.522 | | | | | | |
| 05-Feb-13 | | 0.142 | 0.112 | | | | | | |
| 06-Feb-13 | | 0.348 | 0.284 | | | | | | |

Remarks: * same as WP107

Prepared by: Wong Wing Yee



| Monitoring Check Pts. | Trigger Levels | | | | | |
|---|----------------|-------------|-------------|--|--|--|
| Monitoring Check 1 ts, | Alert level | Alarm level | Autors Tour | | | |
| Vibration Monitoring | 2mm/s | 2.5mm/s | 3mm/s | | | |
| Vibration at largest span of highest Structural level | 5.0mm/s | 6.0mm/s | 7.5mm/s | | | |

| POINT | | | | | alization | Project No: \ | W1 202 | 7-Feb-2013 | to | 20-Feb-201. |
|--------------------|--------|--------|--------|---------------|-----------|---------------|--------|------------|----|-------------|
| | | VM1-1* | VM1-2* | | | | | | | |
| DATE I | PD/(m) | mm/s | mm/s | mm/s | mm/s | mm/s | | + | | |
| 11-12-12 (Initial) | | 0.132 | 0.698 | | | | | | | |
| 07-Feb-13 | | 0.407 | 0.430 | | | | | | | |
| 08-Feb-13 | | 0.097 | 0.108 | | | | | | | |
| 09-Feb-13 | | | | Site Close | | | | | | |
| 10-Feb-13 | | | | ublic Holiday | | | | | | - |
| 11-Feb-13 | | |] | ublic Holiday | | | | | | |
| 12-Feb-13 | | |] | ublic Holiday | | | | | | - |
| 13-Feb-13 | | | J | ublic Holiday | | | | | | |
| 14-Feb-13 | | 0.091 | 0.116 | | | | | | | 1 |
| 15-Feb-13 | | 0.103 | 0.145 | | | | | | | |
| 16-Feb-13 | | 0.094 | 0.106 | | | | | | | 1 |
| 17-Feb-13 | | | | Sunday | | | | | | |
| 18-Feb-13 | | 0.151 | 0.613 | | | | | T | | T |
| 19-Feb-13 | | 0.108 | 0.212 | | | | | | | |
| 20-Feb-13 | | 0.113 | 0.150 | | | | | | | |

Remarks: * same as WP107

Prepared by: Wong Wing Xee



| Monitoring Check Pts. | Trigger Levels | | | | | |
|------------------------------|-----------------|-------------|--------------|--|--|--|
| Monitoring Check Fts. | Alert level | Alarm level | Action level | | | |
| Vibration Monitoring | 2mm/s | 2.5mm/s | 3mm/s | | | |
| Vibration at largest span of | 5.0 mm/s | 6.0mm/s | 7.5mm/s | | | |
| highest Structural level | 3.0IIIII/8 | 0.0111111/3 | 7.511111/8 | | | |

| Project Title | ct Title: Central Police Station Conserva | | ation & Revi | tion & Revitalization | | Project No: WP202 | | to | 6-Mar-2013 | |
|---------------|---|--------|--------------|-----------------------|------|-------------------|--|----|------------|--|
| POIN | | VM1-1* | VM1-2* | | | | | | | |
| DATE | PD/(m) | mm/s | mm/s | mm/s | mm/s | mm/s | | | | |
| 11-12-12 (I | nitial) | | | | | | | | | |
| 21-Feb-13 | | 0.491 | 0.272 | | | | | | | |
| 22-Feb-13 | | 0.496 | 0.217 | | | | | | | |
| 23-Feb-13 | | 0.495 | 0.186 | | | | | | | |
| 24-Feb-13 | | | | Sunday | | | | | | |
| 25-Feb-13 | | 1.400 | 0.805 | | | | | | | |
| 26-Feb-13 | | 0.151 | 0.249 | | | | | | | |
| 27-Feb-13 | | 0.108 | 0.453 | | | | | | | |
| 28-Feb-13 | | 0.544 | 0.192 | | | | | | | |
| 01-Mar-13 | | 0.319 | 0.281 | | | | | | | |
| 02-Mar-13 | | 0.323 | 0.244 | | | | | | | |
| 03-Mar-13 | | | | Sunday | | | | | | |
| 04-Mar-13 | | | | | | | | | - | |
| 05-Mar-13 | | | | | | | | | | |
| 06-Mar-13 | | | | | | | | | | |
| | | | | | | | | | | |

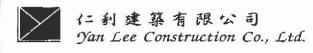
Remarks: * same as WP107

Prepared by : Wong Wing Yee

Strengthening and Structural Alteration Works at Block 8. WYNDHAM # STREET ReviewScienter Erik (St.) Mo WELL Description (AMS) Date UNIV. Approved To - BD SUBMISSION 12/11 JS SEL OROR TOWNTURAN Shiu King Cont 11SW-8/R805 11SW-B/R23-Chief Streetural Engineer for BUILDING AUTHORITY 20 FEB 2012 R553-17 -11SW-B/R247 - 11SW-B/R53 11SW-B/R19-BSI4 5 YOMEDZING ZGINE B GRELTIGIS BLUE 115W-B/R174 # DH21(S,P) VV1-2 11SW-B/R175 BD SUBMISSION Drawing Status 製質狀況 This ground and the contains before are the of interest consisted.

*ZMENOTSHEED ATTENDED INT. THE THE CONTRACT TO STATE OF THE STATE OF T LEGEND Osmi use removement brooty White EEEE LERRI. Crack and worlly all demonsters on six 終行尺寸的位置性配写性的压度器法。 - Read first frameng on conjunction with the specificate and all other reliand drawings 最終医之初に政策が明る世代の不同企業一リスル。 EET LIGHTING NO. 33488-A1 Company found forms DREASTHER COLL. EDINATIONS 853-2/ 11SW-B/R1 11SW-B/R177-EXISTING STREET LIGHTING CABLE PADH4(S/P) RUNZBERNINZU the Jocker Clab COS Civillad 11SW-B/R55-HERZOG & DE MEURON EXISTING TELECOMMUNICATION DUCT Consecration Authors **単位引送(6) 4 年間(33) 4月 4 (3) 2 (6) 2** ROCCO 许字 PROPOSED FOUL SEWER R JRP ARUP 11SW-8/R54 DUSTING RETAINING WALL Projectived
CENTRAL POLICE STATION
CONSERVATION AND REVITALISATION
PROJECT STANDPAPE/PREZOWETER MONITORING LAYOUT PLAN MUICA J. H. MILLIS SETTION OF TRINGS (ALT) A MICA MILLISH OF ANY OF ALTERNATOR SETTION OF THE MICA SET BS1-1/B11-1 PROPOSED BUILDING SETTLEMENT POINTS/TICTIMETER RS174-1/RT174-PROPOSED RETAINING WALL SETTLEMENT POINTS/TILTIMETER MAY BE INSTALLED Scale IESS Drawn SE 1:3000A1 K.C.Loi STATED WIT TO UTO, BE WELLDED,
STATED WIT TO UTO, BE WELLDED,
STATED SELFCONT TO SELFCONT THE WELLD SELFCONT TO SELFCONT THE WELLD SELFCONT SELFCONT SELFCONT SELFCONT TO SELFCONT TO SELFCONT SELFCONT TO SELFCON PROPOSED INCLINOUETER TO BE GITT IN TECTED FILE WALL OF PIPE FILE WITCH ОО-ОАР209674-G-001 OCS) PROPOSED GROUND SETTLEMENT PORTS PROPOSED LITERTY MONITORING POINTS OF OLD BALLY INFIGERS WIEKS PROPOSED VERATION MONITORING PORTS PROPOSED ADDITIONAL DRILLHOLE

Cod Ge : 00-04/205574-G-001.640



| Monitoring Check Pts. | Trigger Levels | | | | | |
|-----------------------|----------------|-------------|-------|--|--|--|
| Monitoring Check Fis. | Alert level | Alarm level | | | | |
| Vibrating Monitoring | 2mm/s | 2.5mm/s | 3mm/s | | | |

| Pr | Project Title: Central Police Station Conservation & Revitalization Project No. W | | | | | | | WP203 | P203 Date: 27-01-2013 To 09-02-2013 | | | | | | | | |
|-------------|---|-------|---------|--------|------|------|------|-------|-------------------------------------|------|-----------|------|-----------|---------|------|--------|--|
| POIN | T | VM8-1 | VM11-1 | VM11-2 | | | | | | | | | | | | | |
| DATE | PD/(m) | 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 | |
| 23-Apr-12 | (Initial) | 0.212 | 0.087 | 0.116 | | | | | | | III.III U | шша | JAILLIN 3 | 1111143 | шши | 1000/8 | |
| 27-Jan-2013 | | | | | | | | Sunc | av | | | | | | | | |
| 28-Jan-2013 | | 0.18 | 0.24 | 0.18 | | | | | | | | | | | | | |
| 29-Jan-2013 | | 0,35 | 0.22 | 0,21 | | | | | | | | | | | | | |
| 30-Jan-2013 | | 0.13 | 0.14 | 0.14 | | | | | | | | | | | | | |
| 31-Jan-2013 | | 0.29 | 0.12 | 0.21 | | | | | | | | | | | | | |
| 1-Feb-2013 | | 0,23 | 0.24 | 0.17 | | | | | | | | | | | | | |
| 2-Feb-2013 | | 0.23 | 1.21 | 0.23 | | | | | | | - | | | | | | |
| 3-Feb-2013 | | | | | | | | Sund | lav | | | | | | | | |
| 4-Feb-2013 | | 0.68 | 0.51 | 0.62 | | | | Julia | | | | | | | | | |
| 5-Feb-2013 | | 0.13 | 0.27 | 0.20 | | | | | | | | | | | | | |
| 6-Feb-2013 | | 0.18 | 0.12 | 0.25 | | | | | | | | | | | | | |
| 7-Feb-2013 | | 0.19 | 0.16 | 0.13 | | | | | | | | | | | | | |
| 8-Feb-2013 | | 0.20 | 0.17 | 0,26 | | | | | - | | | | | | | | |
| 9-Feb-2013 | | | Holiday | | | | | | | | | | | | | | |

Prepared by : Cheung Wai Ching (Leveller)





| Monitoring Check Pts. | Trigger Levels | | | | | | | |
|-----------------------|----------------|---------|------|--|--|--|--|--|
| Wishtoning Check Pts. | Alem level | Alarm | | | | | | |
| Vilcating Monitoring | 2mm/s | 2.5mm/s | 3mm/ | | | | | |

| Pr | Project Title: Central Police Station Conservation & Revitalization Project No. WP203 | | | | | | | | Date: 27-01-2013 To 09-02-2013 | | | | | | | |
|-------------|---|----------------|----------------|--------|------|------|------|-------------|--------------------------------|------|------|------|------|------|------|------|
| POIN | Т | VM8-1 | VM11-1 | VM11-2 | | | | | | | | | 11 | | | |
| DATE | PD/(m) | 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 |
| 23-Apr-12 | (Initial) | 0.212 | 0.087 | 0.116 | | | | | | | | | | | | |
| 10-Feb-2013 | | | | | | | | Sunday | | | | | | | | |
| 11-Feb-2013 | | | | | | | P | oblic Holid | laγ | | | | | | | |
| 12-Feb-2013 | | | Poblic Holiday | | | | | | | | | | | | | |
| 13-Feb-2013 | | Poblic Holiday | | | | | | | | | | | | | | |
| 14-Feb-2013 | | 0.14 | 0 26 | 0.24 | | | | | | | | | | | | |
| 15-Feb-2013 | | 0.21 | 0.18 | 0.32 | | | | | | | | | | | | |
| 16-Feb-2013 | | 0,32 | 0.18 | 0,23 | | | | | | | | | | | | |
| 17-Feb-2013 | | | | | | | | Stmday | | | | | | | | |
| 18-Feb-2013 | | 0.16 | 0.51 | 0.23 | | | | | | | | | | | | |
| 19-Feb-2013 | | 0.17 | 0.16 | 0.25 | | | | | | | | | | | | |
| 20-Feb-2013 | | 0.35 | 0.36 | 0.52 | | | - | | | | | | - | | | |
| 21-Feb-2013 | | 0.15 | 0.22 | 0.12 | | | | | | | | | | | | |
| 22-Feb-2013 | | 0.24 | 0.32 | 0.17 | | | | | | | | | | | | |
| 23-Feb-2013 | | 0.35 | 0.27 | 0.26 | | | | | | | | | | | | |

Prepared by : Cheung Wa Ching (Leveller)

| Monitoring Check Pts. | Trigger Levels | | | | | | | |
|-----------------------|----------------|-------------|--------------|--|--|--|--|--|
| | Alert level | Alarm level | Azitum level | | | | | |
| Vibrating Monitoring | 2mm/s | 2.5mm/s | 3mm/s | | | | | |

Vibration Record

| Project Title: (| oject Title: Central Police Station Conservation & Revitalization | | Project No: WP201 | 24-Feb-2013 | to | 9-Mar-2013 | | |
|------------------|---|-------|-------------------|-------------|--------|------------|--|--|
| POINT | | VM8-1 | VM11-1 | VM11-2 | | | | |
| DATE | PD/(m) | mm/s | mm/s | mm/s | | | | |
| 23-Арг-2012 (| (Initial) | 0.212 | 0.087 | 0.116 | | | | |
| 24-Feb-2013 | 1 | _ | | | Sunday | | | |
| 25-Feb-2013 | | 0.26 | 0.24 | 0.16 | | | | |
| 26-Feb-2013 | | 0.20 | 0.50 | 0.30 | | | | |
| 27-Feb-2013 | | 0.13 | 0.33 | 0.28 | | | | |
| 28-Feb-2013 | | 0.22 | 0.27 | 0.31 | | | | |
| 1-Mar-2013 | | 0.18 | 0.15 | 0.25 | | | | |
| 2-Mar-2013 | | 0.33 | 0.24 | 0.16 | | | | |
| 3-Mnr-2013 | | | | | Sunday | | | |
| 4-Mar-2013 | | 0.22 | 0.31 | 0.13 | | | | |
| 5-Mar-2013 | | | | | | | | |
| 6-Mar-2013 | | | | | | | | |
| 7-Mar-2013 | | | | | | | | |
| 8-Mar-2013 | | | | | | | | |
| 9-Mar-2013 | | | | | | | | |