The Jockey Club CPS Limited

Central Police Station Conservation and Revitalisation Project:
5th Annual EM&A Review Report (1 November 2015 to 31 October 2016)

Issue Date: May 2017

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5th Annual EM&A Review Report (1 November 2015 to 31 October 2016)

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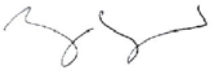
Reference 0095646

For and on behalf of
ERM-Hong Kong, Limited

Approved by: Frank Wan

Signed: _____

Position: Partner



Certified by: _____
(Environmental Team Leader – Katie Yu)

Date: 19 May 2017

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Date: 22 May 2017

By Post and Email (katie.yu@erm.com)

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

Attn: Ms Katie Yu

Dear Katie,

Central Police Station Conservation and Revitalization Project
Verification of Annual EM&A Review Report No. 5

We refer to your letter dated 19 May 2017 regarding the Annual EM&A Review Report no. 5. Atkins China Limited verifies, in the capacity of Independent Environmental Checker, that the report conforms the requirements provided in in Section 10.5 of the EM&A Manual.

Yours sincerely,
For Atkins China Limited

Keith Chau
Independent Environmental Checker

c.c. HKJC – Mr. Kenneth Lee (By Email)
Rocco Design Architect – Mr. Charles Kung (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 5th annual Environmental Monitoring and Audit (EM&A) review report summarising the EM&A works carried out during the period from 1 November 2015 and 31 October 2016 in accordance with the EM&A Manual.

Environmental Monitoring and Audit Progress

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

- Construction Noise Monitoring during normal weekdays at each monitoring station — 66 times
- Joint Environmental Site Inspection — 12 times
- Heritage Site Inspection — 172 times
- Landscape & Visual Monitoring — 12 times
- Tree Inspection — 12 times
- Vibration monitoring for piling works — 195 times
- Vibration monitoring for other construction works — 294 times

Noise

66 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. One exceedance of Action Level of construction noise (complaint received) was recorded during the reporting period. No exceedance of Limit Level of construction noise was recorded.

Cultural Heritage

195 vibration measurement events were undertaken during the reporting period at Block 8. Additionally, a total of 294 numbers of vibration monitoring events at Blocks 11 were carried out throughout the reporting period.

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

172 heritage site inspections were conducted and the Contractor has generally implemented the necessary protection measures as recommended.

Landscape & Visual

Landscape and visual monitoring has commenced since October 2011 on a monthly basis. Twelve monthly tree inspections have been conducted by the arborist during the reporting period. Most recommended actions have been performed by the Contractor as advised in the reporting period.

Waste Management

Wastes generated from this Project include inert construction and demolition (C&D) materials and non-inert C&D materials. 3,667.13 tonnes of inert C&D materials and 2,335.23 tonnes of non-inert C&D materials were generated during the reporting period. 28,080 kg of metals and 833 kg of paper/cardboard packaging waste were produced and sent to recyclers for recycling. No plastics waste was recycled during the reporting period. No chemical waste was generated and collected by licenced chemical waste collector during the reporting period.

Environmental Site Inspection

Twelve joint environmental site inspections were carried out by the representatives of the Contractor, the IEC and the ET during the reporting period. The Contractor has generally implemented the mitigation measures as recommended.

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

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

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

No enquiry was received during the reporting period.

No environmental non-compliance event was recorded during the reporting period. 13 non-compliance events related to the character defining elements, historic buildings and structures were recorded during the reporting period.

Two complaints were received during the reporting period.

No summons/prosecutions were received in this reporting period.

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 5th annual EM&A review report, which summarises the impact monitoring results and audit findings for the EM&A programme during the first year of the construction period from 1 November 2015 to 31 October 2016.

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 contract 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 Mitigation Measures**
summarises the implementation of environmental protection measures during the reporting period.

Section 5 : **Monitoring Results**
summarises the monitoring and waste management results obtained in the reporting period.

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

Section 7 : **Environmental Non-conformance**
summarises any monitoring exceedance, environmental complaints and environmental summons received within the reporting period.

Section 8 : **Review of the EM&A Data and EIA Predictions**
compares the monitoring data and waste quantity against predictions in the approved Project EIA report.

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 among 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.*

Table 2.1 Summary of Construction Activities undertaken in this Reporting Period

Construction Activities Undertaken
1st Quarter
• Structural addition and alteration works at Blocks 4, 9 and 14; • Roof repair works at Block 4; • Balcony repair at Blocks 6, 7 and 9; • Plaster repair at Blocks 3, 9, 11 and 14; • Timber doors and windows repair works at Blocks 3, 9 and 14; • Structural timber floor repair at Blocks 4 and 10; • Metal works repair at Blocks 3 and 14; • Façade works at Blocks 4, 14, 15 and 17; • Arbuthnot Wing & Old Bailey Wing builders works; • Arbuthnot Wing & Old Bailey Wing external facade installation; • E&M Opening at Blocks 3, 9 and 14; • E&M installation at Blocks 3, 8, 9, 13, 14, 15, 17, AW, OBW and basement plant room; • U/G Drainage at Blocks 11, 14 and sitewide (L3, L8, L9, L10, M1, M3B, M4, M5B, M6A, U2); and • Footbridge construction.
2nd Quarter
• Structural addition and alteration works at Blocks 4 and 14; • Roof repair works at Block 4; • Balcony repair at Blocks 6 and 7; • Plaster repair at Blocks 3 and 14; • Timber doors and windows repair works at Blocks 3 and 9; • Structural timber floor repair at Blocks 4 and 10; • Metal works repair at Block 11 and 14; • Façade works at Blocks 4, 8, 14 and 17; • Arbuthnot Wing & Old Bailey Wing fitout works; • Old Bailey Wing external facade installation; • E&M Opening at Blocks 9 and 14; • E&M installation at Blocks 3, 9, 14, Arbuthnot Wing and Old Bailey Wing; • U/G Drainage sitewide (M1, M6A, U3); • Footbridge construction. • Barracks lane stair construction; and • Hard landscape construction.
3rd Quarter
• Structural addition and alteration works at Block 4; • Plaster repair at Blocks 4 and 14; • Timber doors and windows repair works at Blocks 3, 9 and 10; • Structural timber floor repair at Blocks 4 and 10; • Metal works repair at Block 14 and 17; • Façade works at Blocks 3, 4, 8, 10, 11, 12, 13, 14, 15 and 17; • Arbuthnot Wing & Old Bailey Wing fitout works; • E&M fix at Blocks 9, 14, Arbuthnot Wing and Old Bailey Wing; • Footbridge construction; • Hard landscape construction; • Emergency works for incident of partially collapsed Block 4; • Emergency works for inspection by Building Department for Block 9 to Block 19 and

Construction Activities Undertaken
retaining walls; and
• Resumption of works for Block 1, 2, 12, 15, 17, 50, 51 and sitewide.
4th Quarter
• Resumption of works for Blocks 6, 7 and 9;
• Resumption of works for Blocks 3 (Phase 1), 14 (Phase 1) and footbridge;
• Resumption of works for Blocks 8, 10 (Phase 1), 11 (Phase 1) and 13 (Phase 1);
• Metal works repair at Blocks 8, 9, 11, 12 and 17;
• Façade repair at Blocks 3, 8, 9, 10, 11, 12, 13, 14, 15 and 17;
• Fitting out works at Blocks 1, 2, Arbuthnot Wing and Old Bailey Wing;
• E&M fixing at Block 6, 7, 9, Arbuthnot Wing and Old Bailey Wing;
• Hard landscape construction at Upper Platform and Pottinger Ramp; and
• Footbridge construction.

2.4 CONSTRUCTION PROGRAMME

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

2.5 PROJECT ORGANISATION AND MANAGEMENT STRUCTURE

The Project organization chart, hotline number and contact details are shown in *Annex B*.

2.6 STATUS OF ENVIRONMENTAL APPROVAL DOCUMENTS

A summary of the valid permits, licences, and/or notifications on environmental protection for this Project within the reporting period 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/B	-	superseded by EP-408/2011/C
	EP-408/2011/C	Throughout the Contract	Permit granted on 29 April 2016
Notification of Construction Works as required under *Air Pollution Control (Construction Dust) Regulation*	Ref. No. 332920	Throughout the Contract	-
Registration of Chemical Waste Producer under *Waste Disposal Ordinance*	Chemical Waste Producer No.: 5213-122-G2347-25	Throughout the Contract	-
Disposal of C&D material/waste	Billing Account Number: 7013338	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 *Air Pollution Control Ordinance*	-	Throughout the Contract	EPD's letter (EPD's ref.: (5) in EPAC/A/4/000/233 II) dated 2 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/4/000/233) dated 18 January 2012.
Construction Noise Permit (CNP)	GW-RS0696-15	28 June 2015 at 0000 hours to 29 November 2015 at 2400 hours	Expired
	GW-RS1301-15	30 November 2015 at 0000 hours to 29 May 2016 at 2400 hours	Expired
	GW-RS0445-16	30 May 2016 at 0000 hours to 28 November 2016 at 2400 hours	-

3.1 NOISE MONITORING

3.1.1 Monitoring Location

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

Table 3.1 Construction Phase Noise Monitoring Locations

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 rejected; 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 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 IEC 651: 1979 and 804:1985 (Type 1) specification. The calibration certificates of the sound level meters are included in *Annex D*.

Table 3.2 Noise Monitoring Equipment

Monitoring Stations	Monitoring Equipment (Sound Level Meter and Calibrator)
NM2, NM6	Calibrator CEL 120 (S/N 3421612) CAL 200 (S/N 10227) Sound Level Meter CEL 633A (S/N 3521757) NL-31 (S/N 00320533)

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.

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 E*.

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 F*.

3.2 CULTURAL HERITAGE

3.2.1 Vibration Monitoring

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

Baseline Monitoring

Baseline vibration monitoring was not conducted during the reporting period.

Vibration Monitoring for Demolition Works

As no demolition works were carried out, vibration monitoring for demolition works was not conducted during the reporting period.

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 K*. 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 L*. 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 Monitoring	Horizontal Movement	2.0 mm/s	2.5 mm/s	3.0 mm/s

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 in accordance with the EP, EIA and EM&A Manual were implemented by the Contractor and the implementation status is given in *Annex F*.

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 F*.

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 MITIGATION MEASURES

The Contractor has generally implemented the environmental mitigation measures and requirements as stated in the EIA Report, EM&A Manual, EP and the contract documents. The implementation status during the reporting period is summarised in *Annex F*.

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		
Conditions 3.4	• 48th Monthly EM&A Report	16 November 2015
	• 49th Monthly EM&A Report	14 December 2015
	• 50th Monthly EM&A Report	14 January 2016
	• 51st Monthly EM&A Report	12 February 2016
	• 52nd Monthly EM&A Report	11 March 2016
	• 53rd Monthly EM&A Report	14 April 2016
	• 54th Monthly EM&A Report	12 May 2016
	• 55th Monthly EM&A Report	14 June 2016
	• 56th Monthly EM&A Report	14 July 2016
	• 57th Monthly EM&A Report	15 August 2016
	• 58th Monthly EM&A Report	14 September 2016
	• 59th Monthly EM&A Report	14 October 2016
EM&A Manual		
Section 10.4	• 15th Quarterly EM&A Report	14 April 2016
Section 10.4	• 16th Quarterly EM&A Report	14 April 2016
Section 10.5	• 4th Annual EM&A Report	3 October 2016

5.1 NOISE

A total of 66 sets of 30-minute construction noise measurements were carried out at each monitoring station, NM2 and NM6, during normal weekdays of the reporting period. The monitoring results together with graphical presentations are presented in *Annex G*. 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. One exceedance of Action Level of noise (complaint received) was recorded. Investigations of the exceedances are presented in *Annex J.*

5.2 LANDSCAPE AND VISUAL MONITORING

Monthly tree inspections were conducted by the arborist during the reporting period and key findings and recommendations are summarised in *Table 5.1*.

Table 5.1 Major Findings of Monthly Tree Inspections in the Reporting Period

Tree No.	Botanical Name	Overall Health Condition	Arborist's Observation / Recommendations
1st Quarter (3 Nov, 4 Dec and 6 Jan 2016)			
Tree -5	*Mangifera indica*	Fair	• To keep close monitoring on the presence of pest on the tree; • Large bare root has been exposed on ground surface which has been covered in the next reporting month; • To provide more protection work for the exposed root. The exposed large bare root has been protected by pieces of plank.
Tree -6	*Aleurites moluccana*	Fair	• No further action required.
Tree-7	*Aleurites moluccana*	Fair	• No further action required.
Tree-8	*Plumeria rubra*	Fair	• No further action required.
Tree-9	*Araucaria cunninghamia*	Fair	• No further action required.
Tree-11	*Dracaena marginata*	Poor	• Withered leaves were observed on the tree; • Much cement and debris was

Tree No.	Botanical Name	Overall Health Condition	Arborist's Observation / Recommendations
			observed in the planter; • To keep close monitoring on the growth of the tree; • To tidy up the planter and have more protection work on the tree; • Many construction materials were observed near the planter; • To keep the planter area clear.
2nd Quarter (3 Feb, 4 Mar and 6 Apr 2016)			
Tree -5	*Mangifera indica*	Fair	• To keep close monitoring on the presence of pest on the tree. Signs of pest have apparently increased; • To trim off the affected leaves; and branches; • To apply pesticide for the tree; • The planter is being re-built;
Tree -6	*Aleurites moluccana*	Fair	• Signs of pest were observed on the tree; • To trim off the affected branches and leaves; and; • To apply pesticide for the tree.
Tree-7	*Aleurites moluccana*	Fair	• Signs of pest were observed on the tree; • To trim off the affected branches and leaves; and; • To apply pesticide for the tree.
Tree-8	*Plumeria rubra*	Fair	• No further action required.
Tree-9	*Araucaria cunninghamia*	Fair	• No further action required.
Tree-11	*Dracaena marginata*	Fair	• Withered leaves on the lower braches have apparently reduced; • Construction materials observed near the planter in the previous inspections have been removed and the planter area is kept clear; • To keep close monitoring on the growth of the tree;
3rd Quarter (4 May, 8 Jun and 4 Jul 2016)			
Tree -5	*Mangifera indica*	Fair	• Signs of pest have apparently reduced after pest control operation on 26 April 2016; • Some roots have been exposed at the edge of the planter; • To cover the exposed roots with hessian clothes. • Construction debris were observed at the planter; • To remove the construction debris at the planter;

Tree No.	Botanical Name	Overall Health Condition	Arborist's Observation / Recommendations
			• To properly maintain the cordon zone to protect the tree.
Tree -6	*Aleurites moluccana*	Fair	• Signs of pest have apparently reduced after pest control operation on 26 April 2016; • No further action required.
Tree-7	*Aleurites moluccana*	Fair	• Signs of pest have apparently reduced after pest control operation on 26 April 2016; • No further action required.
Tree-8	*Plumeria rubra*	Fair	• No further action required.
Tree-9	*Araucaria cunninghamia*	Fair	• A wasp-hive was observed hanging on the lower branches of Tree-9 which was removed in the next reporting month..
Tree-11	*Dracaena marginata*	Fair	• To properly maintain the cordon zone to protect the tree.
4th Quarter (10 Aug, 2 Sep and 4 Oct 2016)			
Tree -5	*Mangifera indica*	Fair	• The new planter has been built and is ready for backfilling of topsoil. • Before backfilling of topsoil, the Contractor should check carefully that the topsoil has not been infected by *Phellinus noxius*. The Contractor should closely monitor the topsoil backfilling work.
Tree -6	*Aleurites moluccana*	Fair	• No further action required.
Tree-7	*Aleurites moluccana*	Fair	• To remove litter from the planter.
Tree-8	*Plumeria rubra*	Fair	• No further action required.
Tree-9	*Araucaria cunninghamia*	Fair	• No further action required.
Tree-11	*Dracaena marginata*	Fair	• To remove litter from the planter.

Follow-up actions needed to be implemented were recommended to the Contractor and the status of the follow-up actions was reviewed during the subsequent monthly site inspections. Recommendations have generally been implemented by the Contractor during the reporting period.

5.3 CULTURAL HERITAGE

5.3.1 Vibration Monitoring

No vibration monitoring was carried out for demolition works as demolition works were not conducted during the reporting period.

Trial piling / piling works

A summary of vibration monitoring for trial piling and piling works in the reporting period is presented in *Table 5.2*.

Table 5.2 Summary of Vibration Monitoring for Trial Piling and Piling Works

Month/ Date	Works Locations	Number of monitoring at monitoring station
Nov 2015	Block 8	25
Dec 2015	Block 8	25
Jan 2016	Block 8	25
Feb 2016	Block 8	22
Mar 2016	Block 8	24
Apr 2016	Block 8	25
May 2016	Block 8	24
Jun 2016	Block 8	25
Jul 2016	No trial piling and piling works	0
Aug 2016	No trial piling and piling works	0
Sep 2016	No trial piling and piling works	0
Oct 2016	No trial piling and piling works	0

The records of vibration monitoring for trial piling and piling works are shown in *Annex K*.

Other construction works

A summary of vibration monitoring for underpinning, strengthening and structural alteration works at Blocks 11 in the reporting period is presented in *Table 5.3*.

Table 5.3 Summary of Vibration Monitoring for Other Construction Works

Month/ Date	Works Locations	Number of monitoring at monitoring station
Nov 2015	Block 11	25
Dec 2015	Block 11	25
Jan 2016	Block 11	25
Feb 2016	Block 11	22
Mar 2016	Block 11	24
Apr 2016	Block 11	25
May 2016	Block 11	24
Jun 2016	Block 11	25
Jul 2016	Block 11	25
Aug 2016	Block 11	26
Sep 2016	Block 11	25
Oct 2016	Block 11	23

The monitoring results for other construction works are presented in *Annex L*.

All monitoring results were below the Alert/Alarm/ Action Levels throughout during the reporting period.

5.3.2 Heritage Site Audit

172 heritage site audits were conducted by the Heritage Checker during the reporting period. Key site audit findings and recommendations for each

month are summarised in *Annex M*. Observations and recommendations were made to the Contractor during the site audits and follow-up actions were generally undertaken in the subsequent site audits.

A total of 13 non-compliance reports related to the character defining elements, historic buildings and structures were issued during the reporting period. The non-compliance reports are provided in *Annex M*.

A summary of condition of the character defining elements, historic buildings and structures is contained in *Annex M*.

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 and mixed construction waste. 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 5.4*. The summary of Waste Flow Table prepared by the Contractor is shown in *Annex I*.

Table 5.4 Quantities of Waste Generated from the Project

Month / Year	Quantity						
	C&D Materials (inert) (tonnes) [(a)]	C&D Materials (non-inert) (tonnes) [(b)]	Chemical Waste		Recycled materials		
			Liquid (L)	Solid (kg)	Paper/cardboard (kg)	Plastics (kg)	Metals (kg)
November 2015	830.67	321.60	0	0	86	0	4970
December 2015	596.00	250.51	0	0	103	0	16,770
January 2016	505.11	265.56	0	0	0	0	6,340
February 2016	274.16	128.66	0	0	170	0	0
March 2016	114.67	380.06	0	0	0	0	0
April 2016	244.83	308.28	0	0	0	0	0
May 2016	402.49	216.79	0	0	0	0	0
June 2016	173.01	109.25	0	0	248	0	0
July 2016	303.68	83.99	0	0	0	0	0
August 2016	147.28	112.63	0	0	0	0	0
September 2016	17.64	88.26	0	0	226	0	0
October 2016	57.59	69.64	0	0	0	0	0
Total	**3,667.13**	**2,335.23**	**0**	**0**	**833**	**0**	**28,080**

Notes:

(a) Inert C&D materials include bricks, concrete, building debris, rubble and excavated soil, which were disposed of at Chai Wan Public Fill Barging Point and Tseung Kwan O Area 137 Fill Bank.

(b) Non-inert C&D materials include general refuse and mixed construction waste, which were disposed of at SENT Landfill and Tseung Kwan O Area 137 Sorting Facility.

5.5 *EFFECTIVENESS OF MITIGATION MEASURES AND MONITORING*

The mitigation measures recommended in the EIA report and required by the EP are considered effective in minimising environmental impacts.

The EM&A for the Project was conducted as scheduled during the fifth construction year. One exceedance of Action Level of construction noise was recorded during the reporting period. No exceedance of limit level of construction noise was recorded and no environmental non-compliance events were observed during site inspections. 13 non-compliance reports related to the character defining elements, historic buildings and structures were issued during the reporting period. One complaint related to noise nuisance and one complaint related dust nuisance were recorded during the reporting period.

The follow up mitigation measures for the exceedance of noise (noise complaint), dust nuisance complaint and the 13 non-compliance events related to cultural heritage were carried out accordingly. The mitigation measures taken were considered efficient and effective. The EM&A programme is considered effective.

Monthly environmental site inspections were conducted by the representatives of the Contractor, IEC and the ET. There was no environmental non-compliance event recorded during site inspections for the fifth year of the construction period. Key site audit findings and recommendations are summarised below. Monthly recommendations were implemented and observations were rectified by the Contractor in the subsequent monthly site inspections.

19 November 2015

- Litter and construction materials were observed at the planter of Tree-11. The Contractor was reminded to remove the litter and construction materials. The planter needs to be kept clear at all times; and
- A number of chemical containers were observed being stored without drip trays in Block 14. The Contractor was reminded to provide drip trays to the chemical containers.

17 December 2015

- Litter and construction materials were still observed at the planter of Tree-11. The Contractor was reminded to remove the litter and construction materials and keep the planter clear at all times.

21 January 2016

- Litter and construction materials were still observed at the planter of Tree-11. The Contractor was reminded to remove the litter and construction materials and keep the planter clear at all times.

18 February 2016

- A chemical waste container without chemical label was observed near Block 17. The Contractor was reminded to provide chemical label and move the chemical waste container to the chemical waste store.

24 *March 2016*

- Nil.

19 April 2016

- Nil.

23 May 2016

- Nil.

21 June 2016

- Nil.

25 July 2016

- The chemical waste store at the Parade Ground was observed without a lock. The Contractor was reminded to provide a lock to the chemical waste store, which should be kept locked at all times.

25 August 2016

- A chemical waste drum was observed inside Block 50 without drip tray. The Contractor was reminded to put the chemical waste drum inside the chemical waste store.

30 September 2016

- The Environmental Permit (EP) displayed at the site entrance was not the most up-to-date version (EP-408/2011/C). The Contractor was reminded to display the latest version of the EP at the site entrance; and

- Excavated materials were observed accumulating in a small pick-up truck near Block 17. The Contractor was reminded to cover the excavated materials using tarpaulin sheet if the excavated materials would remain there overnight.

20 October 2016

- A chemical drum containing waterproofing material was observed without drip tray near Block 17. Some stains were also observed near the chemical drum. The Contractor was reminded to provide proper drip tray for the chemical drum, or remove the chemical drum if not in use.

7.1.1 Summary of Monitoring Exceedance

No exceedance of Limit Level of construction noise or Alert, Alarm and Action Level of vibration was recorded during the reporting period. The Action Level of construction noise (complaint received) was triggered once during the reporting period.

7.1.2 Summary of Enquiry

No enquiry was received during the reporting period.

7.1.3 Summary of Non-Compliance

No environmental non-compliance event was recorded during the reporting period. 13 non-compliance events related to the character defining elements, historic buildings and structures were recorded during the reporting period.

7.1.4 Summary of Environmental Complaint

Two complaints were received during the reporting period. They are summarised in *Table 7.1*.

Table 7.1 Summary of Complaint Received

Date	Means by which complaint was received	Nature of complaint
13 March 2016	Hong Kong Jockey Club	Noise nuisance
Early September 2016	Food and Environmental Hygiene Department	Dust nuisance

The complaint investigation reports and the cumulative number of complaints are presented in *Annex J*.

7.1.5 Summary of Environmental Summons and Successful Prosecution

No summons was received during the reporting period. The cumulative summons/prosecution log is shown in *Annex J*.

8.1 NOISE

A comparison was made between the monitoring results in this reporting period and the Noise Standard for general construction works during 0700 – 1900 hrs on normal weekdays (*Table 8.1*).

Table 8.1 Comparison of Construction Noise Standard and Noise Monitoring Results

Reporting Month	Monitoring Stations	Corresponding NSR in EIA	Noise Limit Level	Predicted Construction Noise Level (With Mitigation) in EIA	Measured Construction Noise Level
			$L_{eq, 30 min}$ dB(A)	$L_{eq, 30 min}$ dB(A)	$L_{eq, 30 min}$ dB(A)
Nov 2015	NM2	N2	75	67 - 72	69.4 – 72.4
	NM6	N6	75	73 - 75	67.9 – 71.3
Dec 2015	NM2	N2	75	67 - 72	69.9 – 72.1
	NM6	N6	75	73 - 75	66.8 – 70.1
Jan 2016	NM2	N2	75	67 - 72	69.9 – 72.7
	NM6	N6	75	73 - 75	62.6 – 71.4
Feb 2016	NM2	N2	75	67 - 72	55.6 – 71.5
	NM6	N6	75	73 - 75	61.9 – 68.9
Mar 2016	NM2	N2	75	67 - 72	66.3 – 71.7
	NM6	N6	75	73 - 75	63.5 – 69.3
Apr 2016	NM2	N2	75	67 - 72	67.6 – 71.5
	NM6	N6	75	73 - 75	65.5 – 70.8
May 2016	NM2	N2	75	67 - 72	65.7 – 70.6
	NM6	N6	75	73 - 75	64.3 – 67.2
Jun 2016	NM2	N2	75	67 - 72	63.1 – 67.6
	NM6	N6	75	73 - 75	60.4 – 64.9
Jul 2016	NM2	N2	75	67 - 72	64.9 – 69.2
	NM6	N6	75	73 - 75	64.6 – 71.9
Aug 2016	NM2	N2	75	67 - 72	65.3 – 71.7
	NM6	N6	75	73 - 75	62.4 – 68.0
Sep 2016	NM2	N2	75	67 - 72	67.8 – 70.0
	NM6	N6	75	73 - 75	64.0 – 66.2
Oct 2016	NM2	N2	75	67 - 72	68.6 – 72.6
	NM6	N6	75	73 - 75	64.8 – 66.7

The monitoring results recorded during the reporting period have been below the Limit Level and comparable to the predicted construction noise level in the approved EIA. Recommended mitigation measures in *Section 5.9.1* of EIA will continue to be implemented throughout the construction stage.

8.2 WASTE MANAGEMENT

The estimated amount of waste generated in the approved EIA and the accumulated quantities of waste generated up to this reporting period are presented in *Table 8.2*. The accumulated amount of inert and non-inert C&D materials is higher than the estimated amount in EIA. The major chemical

waste generated on site was primarily asbestos which was not estimated in the approved EIA and hence no data is available for comparison. Recommended mitigation measures in *Section 8.5.1* of the EIA will continue to be implemented throughout the construction stage.

Table 8.2 ***Quantity of Actual Amount of C&D Materials, General Wastes and Chemical Wastes Generated and EIA Estimation***

Type of Material	Estimated Amount of Waste in EIA	Accumulated Actual Amount of Waste Recorded (a) (b)
Amount of C&D Materials (Inert) Arising	16,440 m^3	37,362.0 m^3
Amount of C&D Materials (Non-inert) Arising	890 m^3	14,147.3 m^3
General Refuse	130 kg per day	- (c)
Chemical Waste	Less than 100L per month	- 57 L
		- 395 kg
		- 7,000 kg of asbestos generated

Notes:

(a) The accumulated actual amount of C&D Materials and chemical waste were recorded since the commencement of construction works.

(b) The volume of waste materials are provided by the Contractor based on the updated waste record in October 2016.

(c) The amount of general refuse generated was not recorded.

8.3 SUMMARY OF REVIEW

The EIA predictions and the monitoring results since the commencement of construction works have been reviewed. The EIA concluded that the Project would not cause adverse impacts to the environment and the monitoring results have also indicated the same so far. Mitigation measures recommended in the EP, EIA and EM&A Manual were implemented by the Contractor as far as practicable and were considered effective. The recommended mitigation measures will continue to be implemented throughout the construction phase of the Project.

The effectiveness of the monitoring programme has been exhibited therefore change to the programme is not considered to be necessary.

9 CONCLUSIONS

This 5th Annual EM&A review Report presents the EM&A works undertaken during the reporting period from 1 November 2015 to 31 October 2016 in accordance with EM&A Manual.

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

Tree inspections were conducted in this reporting period. Most of the necessary landscape and visual mitigation measures recommended in the EIA Report were implemented by the Contractor.

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 environmental non-compliance event was recorded during the reporting period. 13 non-compliance events related to the character defining elements, historic buildings and structures were recorded during the reporting period.

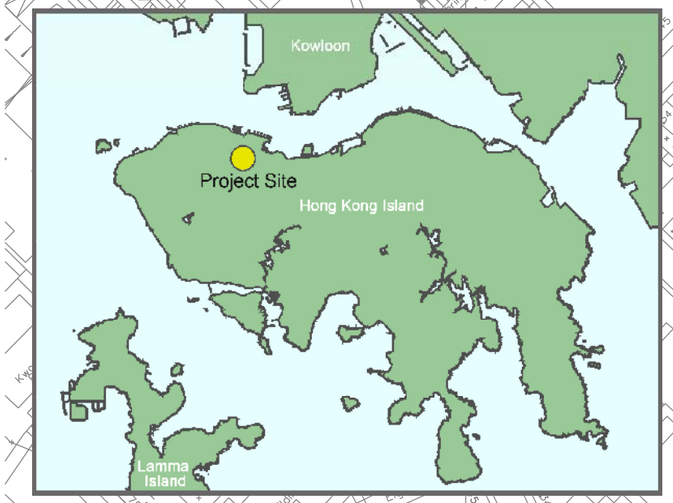
Two complaints were received during the reporting period.

No summons/prosecution was received during the reporting period.

The monitoring programme was considered effective in reflecting the environmental conditions at the designated representative sensitive receivers. The monitoring results also indicate that the Project have not caused adverse impacts on the environment with implementation of appropriate mitigation measures. Change to the monitoring programme is not considered to be necessary. 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 in the coming periods.

Annex A

Location of Works Areas and the Surroundings



HOLLYWOOD ROAD

OLD BAILEY STREET

ARBUTHNOT ROAD

CHANCERY LANE

CENTRAL POLICE STATION

CENTRAL MAGISTRACY

VICTORIA PRISON

N

Meters

0 20 40

Key

The CPS Site

Annex A1

Project Location

FILE: 0095646a-A3_01.dgn

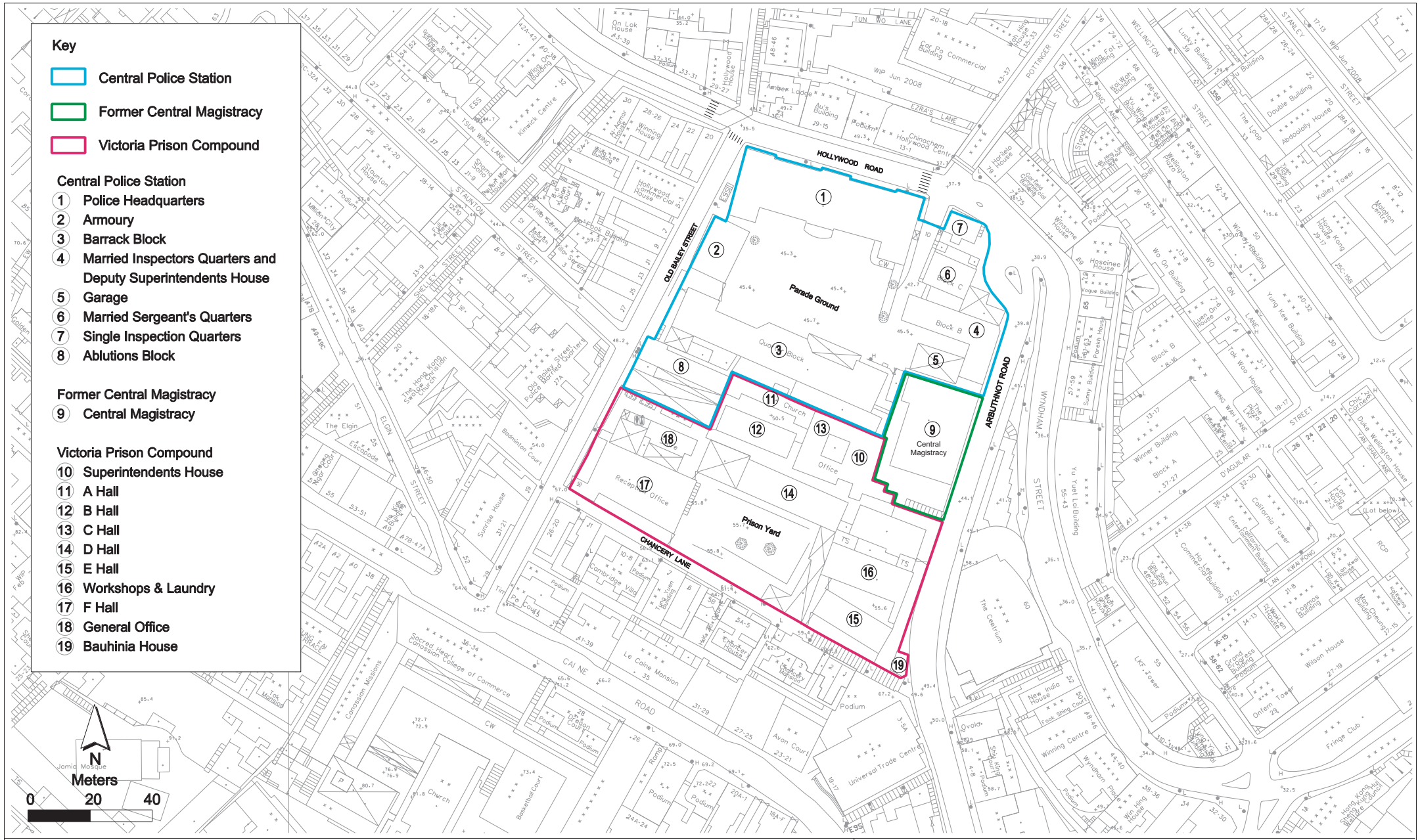
DATE: 21/11/2011

Environmental Resources Management

ERM

賽馬會文物保育有限公司

The Jockey Club CPS Limited



Annex A2

Declared Monuments within the Project Site

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

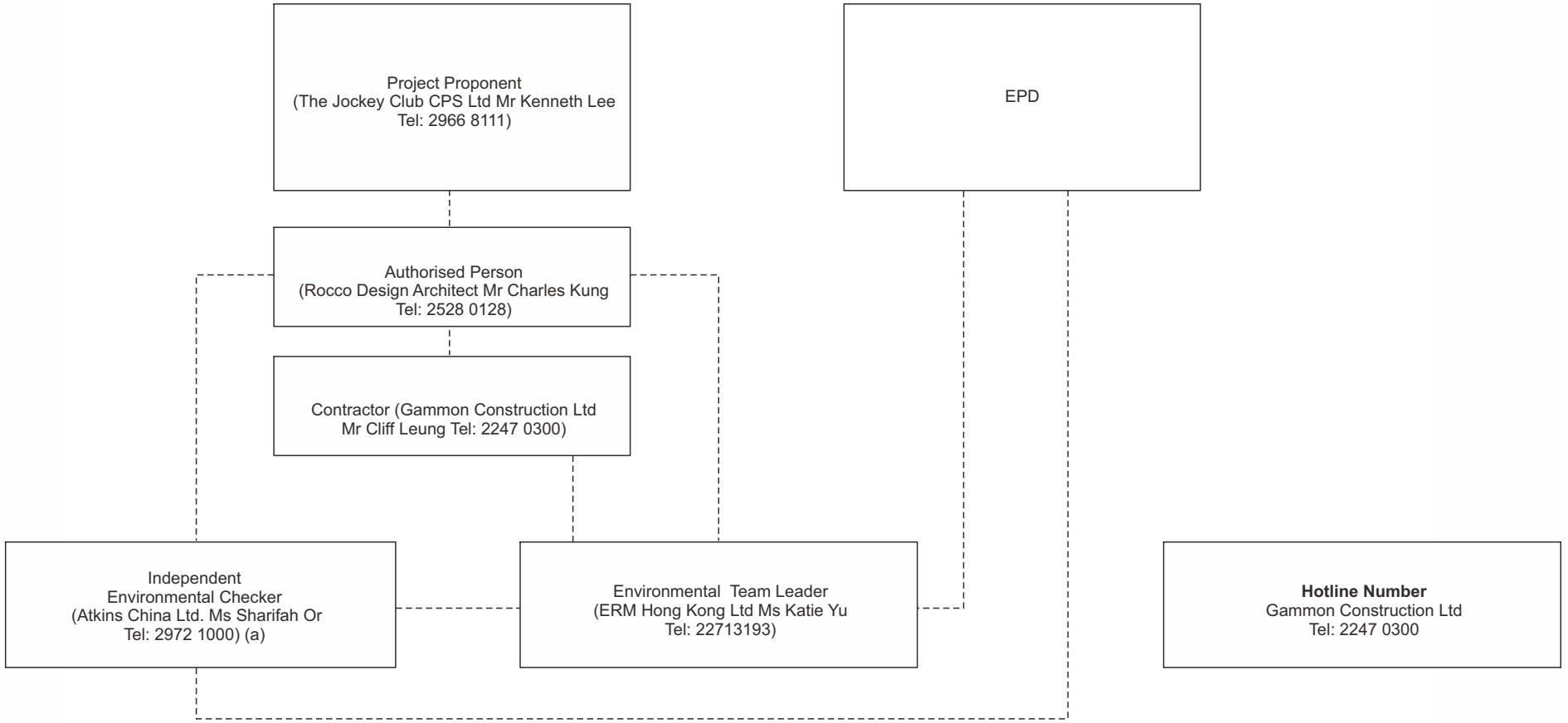
Environmental Resources Management

ERM

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

Annex B

Project Organization Chart and Contact Detail



Note(a): Mr. Keith Chau will take up the role of Independent Environmental Checker starting from the next reporting period (i.e. 1 November 2016)

Annex B

Project Organisation

FILE: 0095646k
DATE: 11/11/2016

Environmental Resources Management

ERM

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

Annex C

Locations of Noise Monitoring Stations and Noise Sensitive Receivers

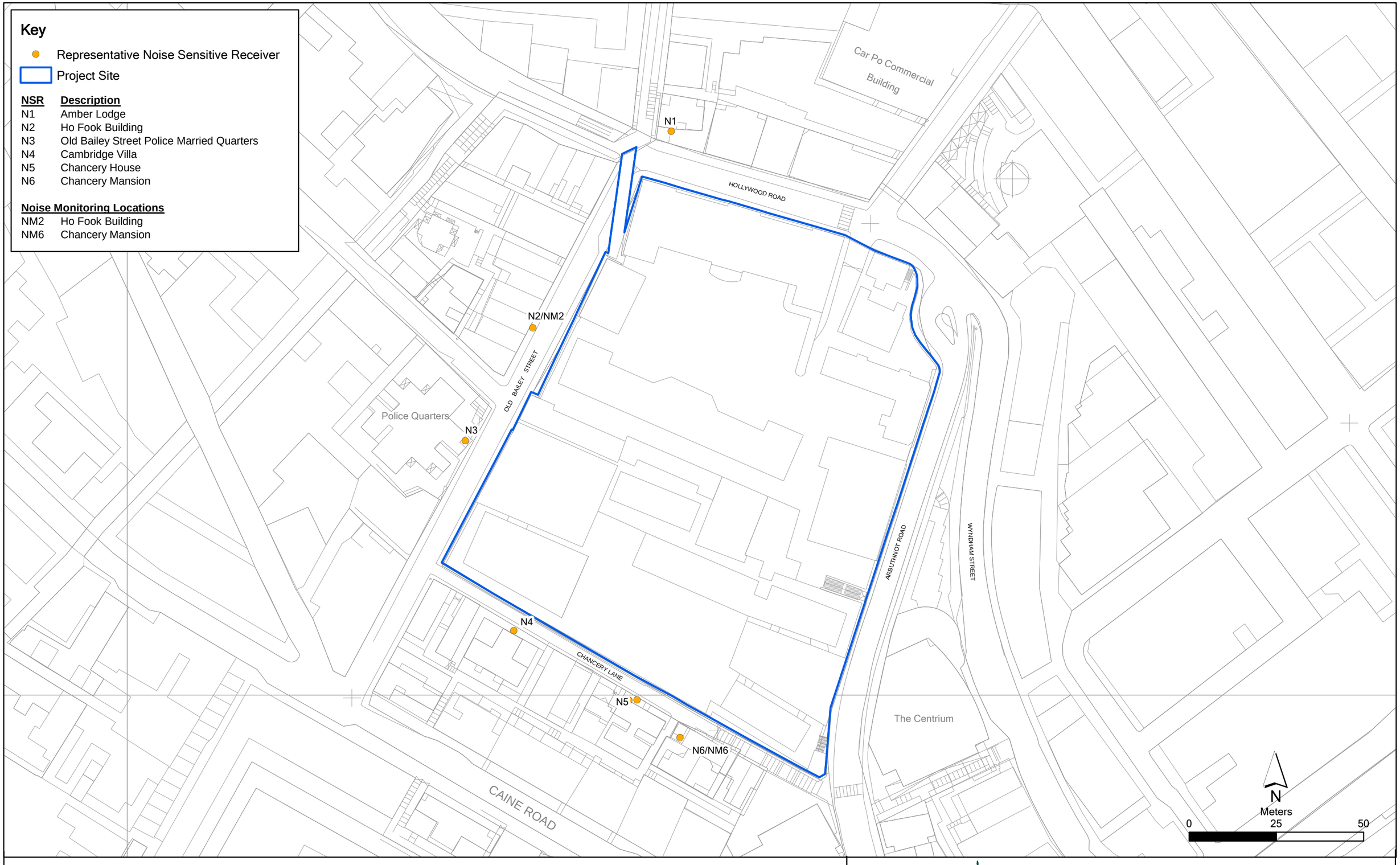
Key

- Representative Noise Sensitive Receiver
- Project Site

NSR	Description
N1	Amber Lodge
N2	Ho Fook Building
N3	Old Bailey Street Police Married Quarters
N4	Cambridge Villa
N5	Chancery House
N6	Chancery Mansion

Noise Monitoring Locations

NM2	Ho Fook Building
NM6	Chancery Mansion



Annex C

Location of Representative Noise Sensitive Receivers and Noise Monitoring Locations

File: 0095646_NSR_NM_May2012.mxd
Date: 09/05/2012

Environmental Resources Management

ERM

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

Annex D

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. : C147473
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC14-3079) Date of Receipt / 收件日期 : 5 December 2014

Description / 儀器名稱	:	Acoustic Calibrator
Manufacturer / 製造商	:	Casella
Model No. / 型號	:	CEL-120/1
Serial No. / 編號	:	3421612
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 : (23 ± 2)°C Relative Humidity / 相對濕度 : (55 ± 20)%

Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 14 December 2014

TEST RESULTS / 測試結果

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

The test equipment used for calibration are traceable to National Standards via :
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Agilent Technologies / Keysight Technologies
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA

Tested By 測試 : K C Lee, Project Engineer

Certified By 核證 : K K Wong, Engineer

Date of Issue 簽發日期 : 17 December 2014

Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4/F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong
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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

Certificate of Calibration
校正證書

Certificate No. : C147473
證書編號

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

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

3. Test equipment :

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

4. Test procedure : MA100N.

5. Results :

5.1 Sound Level Accuracy

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

5.2 Frequency Accuracy

UUT Nominal Value (kHz)	Measured Value (kHz)	Mfr's Spec.	Uncertainty of Measured Value (Hz)
1	1.000 0	1 kHz ± 5 Hz	± 0.1

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

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

Sun Creation Engineering Limited – Calibration & Testing Laboratory
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Tel/電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

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. : C156917
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC15-2756) Date of Receipt / 收件日期 : 4 December 2015

Description / 儀器名稱	:	Acoustic Calibrator
Manufacturer / 製造商	:	Casella
Model No. / 型號	:	CEL-120/1
Serial No. / 編號	:	3421612
Supplied By / 委託者	:	Envirotech Services Co. Room 113, 1/F, My Loft, 9 Hoi Wing Road, Tuen Mun, New Territories, Hong Kong

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Relative Humidity / 相對濕度 : (55 ± 20)%

Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 15 December 2015

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
The results do not exceed manufacturer's specification.
The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Agilent Technologies / Keysight Technologies
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA

Tested By 測試 : H T Wong, Technical Officer

Certified By 核證 : K C Lee, Project Engineer

Date of Issue 簽發日期 : 15 December 2015

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. : C156917
證書編號

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

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

3. Test equipment :

Equipment ID	Description	Certificate No.
CL130	Universal Counter	C153519
CL281	Multifunction Acoustic Calibrator	DC130171
TST150A	Measuring Amplifier	C141558

4. Test procedure : MA100N.

5. Results :

5.1 Sound Level Accuracy

UUT Nominal Value	Measured Value (dB)	Mfr's Spec. (dB)	Uncertainty of Measured Value (dB)
94 dB, 1 kHz	94.1	± 0.25	± 0.2
114 dB, 1 kHz	114.1		

5.2 Frequency Accuracy

UUT Nominal Value (kHz)	Measured Value (kHz)	Mfr's Spec.	Uncertainty of Measured Value (Hz)
1	1.000 0	1 kHz ± 5 Hz	± 0.1

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

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

Sun Creation Engineering Limited – Calibration & Testing Laboratory
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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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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. : C153924
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC15-1508) Date of Receipt / 收件日期 : 6 July 2015

Description / 儀器名稱	:	Precision Acoustic Calibrator
Manufacturer / 製造商	:	LARSON DAVIS
Model No. / 型號	:	CAL200
Serial No. / 編號	:	10227
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 : (23 ± 2)°C Relative Humidity / 相對濕度 : (55 ± 20)%
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 20 July 2015

TEST RESULTS / 測試結果

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

The test equipment used for calibration are traceable to National Standards via :
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Agilent Technologies / Keysight Technologies
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA

Tested By 測試 : H T Wong
Assistant Technical Officer

Certified By 核證 : K C Lee
Project Engineer

Date of Issue 簽發日期 : 22 July 2015

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

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. : C153924
證書編號

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

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

3. Test equipment :

Equipment ID	Description	Certificate No.
CL130	Universal Counter	C153519
CL281	Multifunction Acoustic Calibrator	DC130171
TST150A	Measuring Amplifier	C141558

4. Test procedure : MA100N.

5. Results :

5.1 Sound Level Accuracy

UUT Nominal Value	Measured Value (dB)	Mfr's Spec. (dB)	Uncertainty of Measured Value (dB)
94 dB, 1 kHz	93.8	± 0.2	± 0.2
114 dB, 1 kHz	113.8		

5.2 Frequency Accuracy

UUT Nominal Value (kHz)	Measured Value (kHz)	Mfr's Spec.	Uncertainty of Measured Value (Hz)
1	1.000	1 kHz ± 1 %	± 1

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

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

Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4/F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong
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Sun Creation Engineering Limited
Calibration and Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C147474
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC14-3079) Date of Receipt / 收件日期 : 5 December 2014

Description / 儀器名稱	:	Sound Level Meter
Manufacturer / 製造商	:	Casella
Model No. / 型號	:	CEL-633A
Serial No. / 編號	:	3521757
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 : (23 ± 2)°C Relative Humidity / 相對濕度 : (55 ± 20)%

Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 14 December 2014

TEST RESULTS / 測試結果

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

The test equipment used for calibration are traceable to National Standards via :
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Agilent Technologies / Keysight Technologies
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA

Tested By 測試 : K C Lee, Project Engineer

Certified By 核證 : K K Wong, Engineer

Date of Issue 簽發日期 : 17 December 2014

Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4/F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong
輝創工程有限公司 – 校正及檢測實驗所
c/o 香港新界屯門興安里一號青山灣機樓四樓
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Certificate of Calibration
校正證書

Certificate No. : C147474
證書編號

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

2. Self-calibration using the Casella Acoustic Calibrator CEL-120/1, S/N : 3421612 was performed before the test.

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

4. Test equipment :

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

5. Test procedure : MA101N.

6. Results :

6.1 Sound Pressure Level

6.1.1 Reference Sound Pressure Level

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

6.1.2 Linearity

UUT Setting		Applied Value		UUT Reading (dB)
Time Weighting	Frequency Weighting	Level (dB)	Freq. (kHz)	
L_F	A	114.00	1	113.9 (Ref.)
		104.00		103.9
		94.00		93.9

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

6.2 Time Weighting

UUT Setting		Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Time Weighting	Frequency Weighting	Level (dB)	Freq. (kHz)		
L_F	A	114.00	1	113.9	Ref.
L_S				113.9	± 0.3
L_I				113.9	

Certificate of Calibration
校正證書

Certificate No. : C147474
證書編號

6.3 Frequency Weighting

6.3.1 A-Weighting

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

6.3.2 C-Weighting

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

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

- Mfr's Spec. : IEC 61672 Class 1

- Uncertainties of Applied Value :

114 dB	: 63 Hz - 125 Hz	: ± 0.45 dB
	250 Hz - 500 Hz	: ± 0.40 dB
	1 kHz	: ± 0.30 dB
	2 kHz - 4 kHz	: ± 0.45 dB
	8 kHz	: ± 0.55 dB
	12.5 kHz	: ± 0.80 dB
104 dB	: 1 kHz	: ± 0.10 dB (Ref. 114 dB)
94 dB	: 1 kHz	: ± 0.10 dB (Ref. 114 dB)

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

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

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. : C156918
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC15-2756) Date of Receipt / 收件日期 : 4 December 2015

Description / 儀器名稱 : Sound Level Meter
Manufacturer / 製造商 : Casella
Model No. / 型號 : CEL-633A
Serial No. / 編號 : 3521757
Supplied By / 委託者 : Envirotech Services Co.
Room 113, 1/F, My Loft, 9 Hoi Wing Road, Tuen Mun,
New Territories, Hong Kong

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Relative Humidity / 相對濕度 : (55 ± 20)%
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 15 December 2015

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
The results do not exceed manufacturer's specification.
The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Agilent Technologies / Keysight Technologies
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA

Tested By 測試 : H T Wong
Technical Officer

Certified By 核證 : K C Lee
Project Engineer

Date of Issue 簽發日期 : 15 December 2015

Sun Creation Engineering Limited – Calibration & Testing Laboratory
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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

Certificate of Calibration
校正證書

Certificate No. : C156918
證書編號

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

2. Self-calibration using the Casella Acoustic Calibrator CEL-120/1, S/N : 3421612 was performed before the test.

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

4. Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C150014
CL281	Multifunction Acoustic Calibrator	DC130171

5. Test procedure : MA101N.

6. Results :

6.1 Sound Pressure Level

6.1.1 Reference Sound Pressure Level

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

6.1.2 Linearity

UUT Setting		Applied Value		UUT Reading (dB)
Time Weighting	Frequency Weighting	Level (dB)	Freq. (kHz)	
L_F	A	114.00	1	113.9 (Ref.)
		104.00		103.9
		94.00		93.9

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

6.2 Time Weighting

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

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. : C156918
證書編號

6.3 Frequency Weighting

6.3.1 A-Weighting

UUT Setting		Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Time Weighting	Frequency Weighting	Level (dB)	Freq.		
L_F	A	94.00	63 Hz	87.7	-26.2 ± 1.5
			125 Hz	97.7	-16.1 ± 1.5
			250 Hz	105.2	-8.6 ± 1.4
			500 Hz	110.6	-3.2 ± 1.4
			1 kHz	113.9	Ref.
			2 kHz	115.1	+1.2 ± 1.6
			4 kHz	114.8	+1.0 ± 1.6
			8 kHz	112.4	-1.1(+2.1 ; -3.1)
			12.5 kHz	108.3	-4.3(+3.0 ; -6.0)

6.3.2 C-Weighting

UUT Setting		Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Time Weighting	Frequency Weighting	Level (dB)	Freq.		
L_F	C	94.00	63 Hz	113.0	-0.8 ± 1.5
			125 Hz	113.7	-0.2 ± 1.0
			250 Hz	113.9	0.0 ± 1.0
			500 Hz	113.9	0.0 ± 1.0
			1 kHz	113.9	Ref.
			2 kHz	113.7	-0.2 ± 1.0
			4 kHz	113.0	-0.8 ± 1.0
			8 kHz	110.6	-3.0 (+1.5 ; -3.0)
			12.5 kHz	106.4	-6.2 (+3.0 ; -6.0)

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

- Mfr's Spec. : IEC 61672 Class 1

- Uncertainties of Applied Value :

114 dB	: 63 Hz - 125 Hz	: ± 0.45 dB
	250 Hz - 500 Hz	: ± 0.40 dB
	1 kHz	: ± 0.30 dB
	2 kHz - 4 kHz	: ± 0.45 dB
	8 kHz	: ± 0.55 dB
	12.5 kHz	: ± 0.80 dB
104 dB	: 1 kHz	: ± 0.10 dB (Ref. 114 dB)
94 dB	: 1 kHz	: ± 0.10 dB (Ref. 114 dB)

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

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

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. : C153242
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC15-1330) Date of Receipt / 收件日期 : 10 June 2015

Description / 儀器名稱	:	Sound Level Meter
Manufacturer / 製造商	:	Rion
Model No. / 型號	:	NL-31
Serial No. / 編號	:	00320533
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 : (23 ± 2)°C Relative Humidity / 相對濕度 : (55 ± 20)%
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 14 June 2015

TEST RESULTS / 測試結果

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

The test equipment used for calibration are traceable to National Standards via :
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Agilent Technologies / Keysight Technologies
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA

Tested By 測試 : K C Lee, Project Engineer

Certified By 核證 : H C Chan, Engineer

Date of Issue 簽發日期 : 16 June 2015

Sun Creation Engineering Limited – Calibration & Testing Laboratory
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Tel/電話: 2927 2606 Fax/傳真: 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

Certificate of Calibration
校正證書

Certificate No. : C153242
證書編號

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

2. Self-calibration using the internal standard (After Adjustment) was performed before the test form 6.1.1.2 to 6.4.

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

4. Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C150014
CL281	Multifunction Acoustic Calibrator	DC130171

5. Test procedure : MA101N.

6. Results :

6.1 Sound Pressure Level

6.1.1 Reference Sound Pressure Level

6.1.1.1 Before Adjustment

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
30 - 120	L_A	A	Fast	94.00	1	93.4	± 0.7

6.1.1.2 After Adjustment

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
30 - 120	L_A	A	Fast	94.00	1	94.0	± 0.7

6.1.2 Linearity

UUT Setting				Applied Value		UUT Reading (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	
30 - 120	L_A	A	Fast	94.00	1	94.0 (Ref.)
				104.00		104.0
				114.00		114.0

IEC 60651 Type 1 Spec. : ± 0.4 dB per 10 dB step and ± 0.7 dB for overall different.

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Certificate of Calibration
校正證書

Certificate No. : C153242
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6.2 Time Weighting

6.2.1 Continuous Signal

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
30 - 120	L_A	A	Fast	94.00	1	94.0	Ref.
			Slow			94.0	± 0.1

6.2.2 Tone Burst Signal (2 kHz)

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Burst Duration		
20 -110	L_A	A	Fast	106.00	Continuous	106.0	Ref.
	$L_A$max				200 ms	105.0	-1.0 ± 1.0
	L_A		Slow		Continuous	106.0	Ref.
	$L_A$max				500 ms	102.0	-4.1 ± 1.0

6.3 Frequency Weighting

6.3.1 A-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
30 - 120	L_A	A	Fast	94.00	31.5 Hz	54.3	-39.4 ± 1.5
					63 Hz	67.8	-26.2 ± 1.5
					125 Hz	77.8	-16.1 ± 1.0
					250 Hz	85.3	-8.6 ± 1.0
					500 Hz	90.8	-3.2 ± 1.0
					1 kHz	94.0	Ref.
					2 kHz	95.3	+1.2 ± 1.0
					4 kHz	95.1	+1.0 ± 1.0
					8 kHz	93.0	-1.1 (+1.5; -3.0)
					12.5 kHz	90.1	-4.3 (+3.0; -6.0)

Certificate of Calibration
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Certificate No. : C153242
證書編號

6.3.2 C-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
30 - 120	L_C	C	Fast	94.00	31.5 Hz	90.6	-3.0 ± 1.5
					63 Hz	93.0	-0.8 ± 1.5
					125 Hz	93.8	-0.2 ± 1.0
					250 Hz	94.0	0.0 ± 1.0
					500 Hz	94.0	0.0 ± 1.0
					1 kHz	94.0	Ref.
					2 kHz	93.9	-0.2 ± 1.0
					4 kHz	93.4	-0.8 ± 1.0
					8 kHz	91.1	-3.0 (+1.5; -3.0)
					12.5 kHz	88.2	-6.2 (+3.0 ; -6.0)

6.4 Time Averaging

UUT Setting				Applied Value					UUT Reading (dB)	IEC 60804 Type 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Integrating Time	Freq. (kHz)	Burst Duration (ms)	Burst Duty Factor	Burst Level (dB)	Equivalent Level (dB)		
20 - 110	L_{Aeq}	A	10 sec.	4	1	1/10	110.0	100	100.0	± 0.5
						$1/10^2$		90	90.0	± 0.5
			60 sec.			$1/10^3$		80	80.0	± 1.0
			5 min.			$1/10^4$		70	70.0	± 1.0

Remarks : - UUT Microphone Model No. : UC-53A & S/N : 320128

- Mfr's Spec. : IEC 60651 Type 1 & IEC 60804 Type 1

- Uncertainties of Applied Value :

94 dB	: 63 Hz - 125 Hz	: ± 0.35 dB
	250 Hz - 500 Hz	: ± 0.30 dB
	1 kHz	: ± 0.20 dB
	2 kHz - 4 kHz	: ± 0.35 dB
	8 kHz	: ± 0.45 dB
	12.5 kHz	: ± 0.70 dB
104 dB	: 1 kHz	: ± 0.10 dB (Ref. 94 dB)
114 dB	: 1 kHz	: ± 0.10 dB (Ref. 94 dB)
Burst equivalent level		: ± 0.2 dB (Ref. 110 dB continuous sound level)

- 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 E

Event/Action Plans for Noise

Table E Event and Action Plan for Construction Noise Monitoring

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

Annex F

Summary of Implementation Status

Annex F Implementation Schedule for Environmental Protection Measures

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
Cultural Heritage					
S3.9.1	S3.2.6	Subject to the outcome of the archaeological investigation, if archaeological deposits are identified to be impacted by the proposed development, appropriate mitigation measures will be recommended and agreed with AMO.	In accordance with the recommendations in the Archaeological Action Plan (AAP) issued on 21 Dec 11 and approved on 30 Dec 11 by AMO	During detailed design and construction	No field work in the reporting month.
S3.9.2	S3.3.1	*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	√
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 approved work methodologies with respect of conservation works, mitigations for cultural heritage and any related works. A detailed	Whole site	Prior to and during construction	<>

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
		proposal of the regular audit such as methodology (e.g. performance and monitoring indicators, control tools, frequency of the audit, etc.) and the conservation professionals to be engaged should be agreed with AMO prior to work commencement. 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 as-built drawings showing the condition of the historic buildings and structures after the completion of the construction works. These archival records will be a reference source for future maintenance of the character defining elements, conservation of the monuments, interpretation and conservation education of the Site. The archival recording shall include but not limit to the video and photographic recording on the detailed process of the repair trials for different kinds of historical features, conservation works of character defining elements and historic fabrics of the monuments, and a written records of any new changes to the detailed design made in the construction phase illustrate with photos and drawings. A full set of the archives records (including both hard and soft copies) should be submitted to the AMO for approval after the work completion for record purpose. Any new findings related to the conservation of built heritage in the Site identified during the detailed design stage and construction phases shall be properly recorded in details for notification to the AMO and update of the Conservation Management Plan.	Whole Site	During detailed design, construction and prior to operation	N/A – Archival recording will be conducted at later stage.
S3.7.3	-	*General Construction Methods* Prior to the commencement of the modification/refurbishment works at an existing building or structure (e.g. masonry walls near the Old Bailey Wing) , a site survey will be carried out by the design team, and all building dimensions and levels of the building/structure shown will be	Whole site	During construction	At around 10:05pm on 29 May 2016, the northwest corner of Block 4 partially collapsed. The collapsed area includes northwest corner roof, west elevation façade wall, north elevation façade wall west part, 1/F and 2/F verandah west part, 2/F

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
		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.			west balcony, floor structure in room 04/5/03. Temporary propping has been undertaken to prevent further collapse. Construction works have resumed except for Block 19.
S3.7.1 & 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 before the operation stage of the project.	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
Landscape & Visual					
S4.7.27	-	*In-situ Tree Protection - Cordon Zone (CZ)* Cordon off each tree along its drip line (below the crown) with a chain-link fencing of 2.5 m height with padlocked gate, allowing limited access to area only to authorized persons. The base of the perimeter fence will be sealed up to 30 cm height to ensure that no construction drainage water will enter. If grouting is to be conducted less than 5 m from the edge of the CZ, a waterproof membrane will be installed below the ground to a depth of 1.5 m on the outer edge of the CZ to prevent the subsurface lateral movement of contaminated construction wastewater from intruding the soil inside the CZ.	Whole site	During construction	√ - Minor works are being carried out near Tree-5. The Contractor has performed proper measures to protect Tree-5, including covering the exposed bare roots with Hessian clothes.
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 tree or at a suitable location on an adjacent building to provide the	Whole site	During construction	√

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
		means to wash the foliage of the accumulated dust when necessary, particularly in the dry season.			
S4.7.2	S4	*In-situ Tree Protection - Monthly inspection* 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	-	*Light Control* Control of night-time lighting shall be implemented to minimise impact to adjacent VSRs.	Whole site	During construction and operation	√
S4.7.2	S4	*Compensatory Tree Planting* A new planting site has been identified for compensatory tree planting in the Parade Ground. The planting is to compensate for felling of T10 and T10a. The existing tree site will be enlarged to become a wide tree strip to accommodate the compensatory trees. The entire strip of land that accommodates T1 to T4 should be revamped to improve the soil condition for future tree growth. The new tree strip should be 4 m wide and covered by porous unit pavers to permit the entry of rain and irrigation water and air exchange between the soil and the atmosphere. The unit pavers should be supported by small columns to create a vault-like structure so as to avoid compaction of the underlying soil due to pedestrian trampling. The unit pavers will be movable to provide access to the soil underneath so that fertilizers and conditioners could be added on a	At identified compensatory tree planting location at the Parade Ground	During detailed design and construction	N/A – Compensatory Tree Planting will be conducted at later stage.

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
		regular basis. The air conditioner unit currently located near the proposed planting site should also be removed. This new tree planting site should also be provided with proper irrigation. Pursuant to the "Environment, Transport and Works Bureau Technical Circular (Works) No. 3/2006 Tree Preservation", the compensation ratio should preferably be 1:1 according to trunk girth. An aggregate DBH of the new trees would be 60cm, the rate of compensation is beyond the requirements The replacement trees should be planted in accordance with the requirement of the landscape proposal approved by the Planning Department.			
S4.7.2	S4	*Existing Granite Revetment Wall* The inner stone face along the southern wall of the Site shall be preserved to its original historical appearance.	Inner Southern Wall	During detailed design and construction	√
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					
S5.9	-	The following site practices should be followed during the construction of the Project:	Whole Site	During	√

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
		• Only well-maintained plant will be operated on-site and plant will be serviced regularly during the construction phase; • Silencers or mufflers on construction equipment will be utilised and will be properly maintained during the construction phase; • Mobile plant, if any, will be sited as far away from NSRs as possible; • 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.		construction	
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	√
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	Whole Site	During construction	√

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
		are properly implemented during the construction stage.			
Air Quality					
S6.8.1	-	Dust control measures stipulated in the *Air Pollution Control (Construction Dust) Regulation* will be implemented during the construction phase to control the potential fugitive dust emissions.	Whole Site	During construction	√
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	√
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	√
S6.8.1	-	The load carried by the trucks will be covered entirely to ensure no dust emission from the vehicles.	Whole Site	During construction	√
S6.8.1	-	Hoarding of not less than 2.4m high from ground level will be provided along the Project Site boundary adjoining a road where the new buildings (Old Bailey Wing and Arbuthnot Wing) will be constructed.	Whole Site	During construction	√
S6.8.1	-	Stockpiles of more than 20 bags of cement, dry pulverised fuel ash and dusty construction materials will be covered entirely by impervious sheeting sheltered on top and 3-sides.	Whole Site	During construction	√
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	√

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
S6.8.1	-	Impervious dust screen or sheeting will be implemented for demolition of structures and renovation of outer surfaces of structures that abuts or fronts open area accessible to the public to no less than 1m higher than the highest level of the structure being demolished.	Whole Site	During construction	√
S6.8.1	-	The area at which demolition work takes place will be sprayed with water or dust suppression chemical immediately prior to, during and immediately after the demolition activity.	Area for Demolition Work	During construction	√
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	√
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 *Appendix A1* of *ProPECC PN 1/94*. 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	√
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 *ProPECC PN 1/94*. 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	√
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	√
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 Management					
S8.5	S6.3.1 & 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	√
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	Whole Site	During construction	√

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
		system will be included as one of the contractual requirements and implemented by the contractor.			
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	*Chemical Waste* 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 *Schedule 2* of the *Regulations*.	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 bund must be tested and disposed of as chemical waste, if necessary); and	Whole Site	During construction and operation	√

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
		• 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	Commencement 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:

√ 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 G

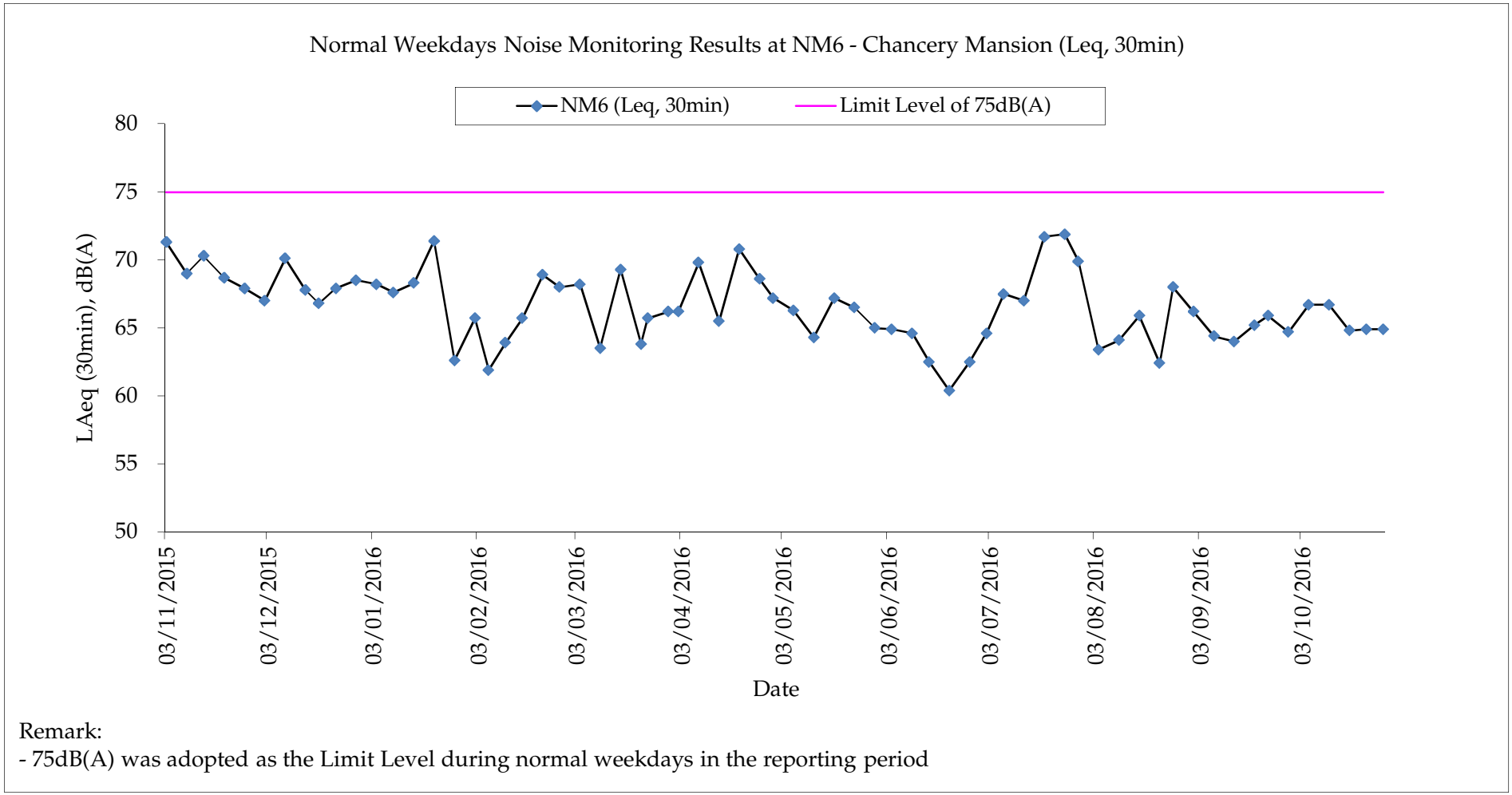
Noise Monitoring Results

Annex G - Cumulative Noise Monitoring Results

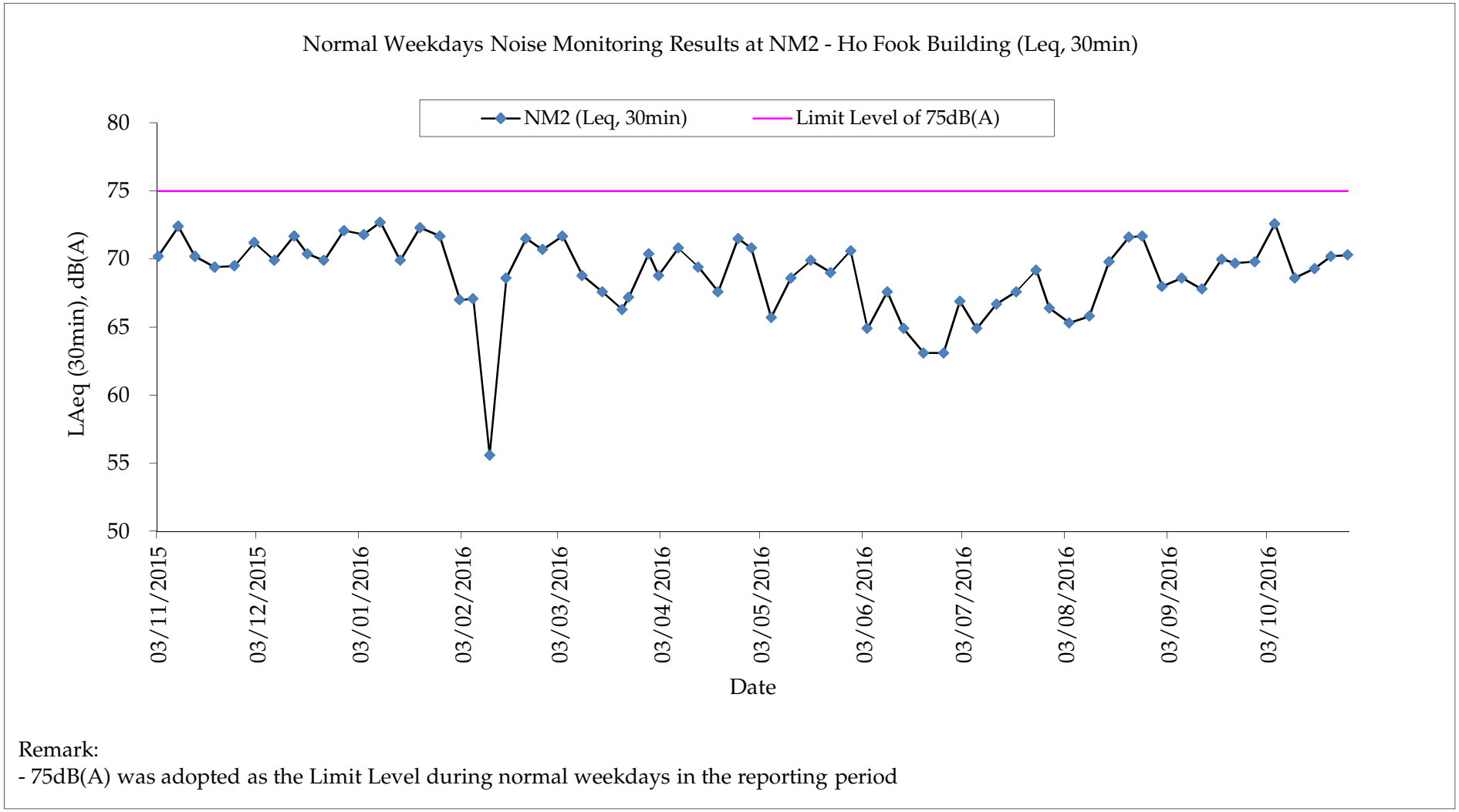
Station	Date	Noise Levels, dB(A) 30 mins			Limit Level, dB(A) 30 mins
		Leq	L10	L90	Leq
NM2 Ho Fook Building	3-Nov-15	70.2	71.2	68.3	75
NM2 Ho Fook Building	9-Nov-15	72.4	74.1	69.0	75
NM2 Ho Fook Building	14-Nov-15	70.2	72.0	67.9	75
NM2 Ho Fook Building	20-Nov-15	69.4	71.4	66.3	75
NM2 Ho Fook Building	26-Nov-15	69.5	71.4	66.5	75
NM2 Ho Fook Building	2-Dec-15	71.2	74.0	67.4	75
NM2 Ho Fook Building	8-Dec-15	69.9	72.5	67.1	75
NM2 Ho Fook Building	14-Dec-15	71.7	73.4	68.9	75
NM2 Ho Fook Building	18-Dec-15	70.4	73.0	67.5	75
NM2 Ho Fook Building	23-Dec-15	69.9	72.7	66.6	75
NM2 Ho Fook Building	29-Dec-15	72.1	74.4	67.4	75
NM2 Ho Fook Building	4-Jan-16	71.8	74.2	69.1	75
NM2 Ho Fook Building	9-Jan-16	72.7	74.8	69.4	75
NM2 Ho Fook Building	15-Jan-16	69.9	72.8	66.1	75
NM2 Ho Fook Building	21-Jan-16	72.3	74.6	66.5	75
NM2 Ho Fook Building	27-Jan-16	71.7	74.1	68.3	75
NM2 Ho Fook Building	2-Feb-16	67.0	70.7	64.1	75
NM2 Ho Fook Building	6-Feb-16	67.1	71.0	58.8	75
NM2 Ho Fook Building	11-Feb-16	55.6	57.5	52.9	75
NM2 Ho Fook Building	16-Feb-16	68.6	71.0	65.1	75
NM2 Ho Fook Building	22-Feb-16	71.5	74.2	66.7	75
NM2 Ho Fook Building	27-Feb-16	70.7	72.7	66.8	75
NM2 Ho Fook Building	4-Mar-16	71.7	74.7	68.1	75
NM2 Ho Fook Building	10-Mar-16	68.8	71.6	64.0	75
NM2 Ho Fook Building	16-Mar-16	67.6	69.5	65.3	75
NM2 Ho Fook Building	22-Mar-16	66.3	67.9	63.8	75
NM2 Ho Fook Building	24-Mar-16	67.2	68.7	64.1	75
NM2 Ho Fook Building	30-Mar-16	70.4	71.8	67.6	75
NM2 Ho Fook Building	2-Apr-16	68.8	71.0	65.6	75
NM2 Ho Fook Building	8-Apr-16	70.8	72.7	66.3	75
NM2 Ho Fook Building	14-Apr-16	69.4	71.9	64.7	75
NM2 Ho Fook Building	20-Apr-16	67.6	70.2	64.9	75
NM2 Ho Fook Building	26-Apr-16	71.5	74.0	67.7	75
NM2 Ho Fook Building	30-Apr-16	70.8	73.6	66.6	75
NM2 Ho Fook Building	6-May-16	65.7	67.1	63.9	75
NM2 Ho Fook Building	12-May-16	68.6	71.1	65.1	75
NM2 Ho Fook Building	18-May-16	69.9	72.1	65.9	75
NM2 Ho Fook Building	24-May-16	69.0	70.9	65.1	75
NM2 Ho Fook Building	30-May-16	70.6	74.5	63.2	75
NM2 Ho Fook Building	4-Jun-16	64.9	66.3	61.8	75
NM2 Ho Fook Building	10-Jun-16	67.6	69.6	63.8	75
NM2 Ho Fook Building	15-Jun-16	64.9	66.7	61.5	75
NM2 Ho Fook Building	21-Jun-16	63.1	64.7	59.3	75
NM2 Ho Fook Building	27-Jun-16	63.1	65.2	60.3	75
NM2 Ho Fook Building	2-Jul-16	66.9	68.3	63.8	75
NM2 Ho Fook Building	7-Jul-16	64.9	66.8	62.4	75
NM2 Ho Fook Building	13-Jul-16	66.7	68.9	62.6	75
NM2 Ho Fook Building	19-Jul-16	67.6	69.3	65.2	75
NM2 Ho Fook Building	25-Jul-16	69.2	71.8	64.8	75
NM2 Ho Fook Building	29-Jul-16	66.4	68.6	63.2	75
NM2 Ho Fook Building	4-Aug-16	65.3	66.5	62.4	75
NM2 Ho Fook Building	10-Aug-16	65.8	67.7	62.6	75
NM2 Ho Fook Building	16-Aug-16	69.8	72.3	66.1	75
NM2 Ho Fook Building	22-Aug-16	71.6	73.5	69.1	75
NM2 Ho Fook Building	26-Aug-16	71.7	72.9	70.2	75
NM2 Ho Fook Building	1-Sep-16	68.0	70.3	64.6	75
NM2 Ho Fook Building	7-Sep-16	68.6	71.2	65.4	75
NM2 Ho Fook Building	13-Sep-16	67.8	69.0	65.4	75
NM2 Ho Fook Building	19-Sep-16	70.0	72.2	65.6	75
NM2 Ho Fook Building	23-Sep-16	69.7	71.8	66.1	75
NM2 Ho Fook Building	29-Sep-16	69.8	72.4	66.4	75
NM2 Ho Fook Building	5-Oct-16	72.6	75.9	69.1	75
NM2 Ho Fook Building	11-Oct-16	68.6	70.9	66.2	75
NM2 Ho Fook Building	17-Oct-16	69.3	71.5	65.8	75
NM2 Ho Fook Building	22-Oct-16	70.2	72.0	65.5	75
NM2 Ho Fook Building	27-Oct-16	70.3	72.0	67.7	75

Annex G - Cumulative Noise Monitoring Results

Station	Date	Noise Levels, dB(A) 30 mins			Limit Level, dB(A) 30 mins
		Leq	L10	L90	Leq
NM6 Chancery Mansion	3-Nov-15	71.3	72.7	69.0	75
NM6 Chancery Mansion	9-Nov-15	69.0	70.6	66.8	75
NM6 Chancery Mansion	14-Nov-15	70.3	72.6	67.1	75
NM6 Chancery Mansion	20-Nov-15	68.7	70.0	66.8	75
NM6 Chancery Mansion	26-Nov-15	67.9	70.2	65.9	75
NM6 Chancery Mansion	2-Dec-15	67.0	68.3	65.6	75
NM6 Chancery Mansion	8-Dec-15	70.1	72.1	65.7	75
NM6 Chancery Mansion	14-Dec-15	67.8	69.3	66.2	75
NM6 Chancery Mansion	18-Dec-15	66.8	68.0	65.0	75
NM6 Chancery Mansion	23-Dec-15	67.9	70.2	64.9	75
NM6 Chancery Mansion	29-Dec-15	68.5	70.1	66.8	75
NM6 Chancery Mansion	4-Jan-16	68.2	70.2	65.9	75
NM6 Chancery Mansion	9-Jan-16	67.6	69.3	65.8	75
NM6 Chancery Mansion	15-Jan-16	68.3	70.0	66.7	75
NM6 Chancery Mansion	21-Jan-16	71.4	73.4	69.2	75
NM6 Chancery Mansion	27-Jan-16	62.6	64.1	60.8	75
NM6 Chancery Mansion	2-Feb-16	65.7	67.6	63.1	75
NM6 Chancery Mansion	6-Feb-16	61.9	63.9	59.3	75
NM6 Chancery Mansion	11-Feb-16	63.9	65.7	61.1	75
NM6 Chancery Mansion	16-Feb-16	65.7	67.1	64.2	75
NM6 Chancery Mansion	22-Feb-16	68.9	70.9	66.9	75
NM6 Chancery Mansion	27-Feb-16	68.0	69.4	64.7	75
NM6 Chancery Mansion	4-Mar-16	68.2	70.4	65.5	75
NM6 Chancery Mansion	10-Mar-16	63.5	64.9	61.2	75
NM6 Chancery Mansion	16-Mar-16	69.3	71.4	65.6	75
NM6 Chancery Mansion	22-Mar-16	63.8	65.5	61.5	75
NM6 Chancery Mansion	24-Mar-16	65.7	67.1	63.1	75
NM6 Chancery Mansion	30-Mar-16	66.2	67.3	62.6	75
NM6 Chancery Mansion	2-Apr-16	66.2	67.6	63.3	75
NM6 Chancery Mansion	8-Apr-16	69.8	72.4	65.0	75
NM6 Chancery Mansion	14-Apr-16	65.5	66.8	62.9	75
NM6 Chancery Mansion	20-Apr-16	70.8	73.7	67.2	75
NM6 Chancery Mansion	26-Apr-16	68.6	71.1	65.0	75
NM6 Chancery Mansion	30-Apr-16	67.2	69.0	63.4	75
NM6 Chancery Mansion	6-May-16	66.3	68.0	64.2	75
NM6 Chancery Mansion	12-May-16	64.3	65.1	63.3	75
NM6 Chancery Mansion	18-May-16	67.2	68.4	63.7	75
NM6 Chancery Mansion	24-May-16	66.5	67.9	63.1	75
NM6 Chancery Mansion	30-May-16	65.0	66.8	63.0	75
NM6 Chancery Mansion	4-Jun-16	64.9	66.1	63.7	75
NM6 Chancery Mansion	10-Jun-16	64.6	66.1	61.7	75
NM6 Chancery Mansion	15-Jun-16	62.5	64.0	60.5	75
NM6 Chancery Mansion	21-Jun-16	60.4	61.3	59.2	75
NM6 Chancery Mansion	27-Jun-16	62.5	63.7	60.0	75
NM6 Chancery Mansion	2-Jul-16	64.6	66.1	62.1	75
NM6 Chancery Mansion	7-Jul-16	67.5	68.9	64.9	75
NM6 Chancery Mansion	13-Jul-16	67.0	68.6	63.3	75
NM6 Chancery Mansion	19-Jul-16	71.7	73.0	69.9	75
NM6 Chancery Mansion	25-Jul-16	71.9	73.5	69.9	75
NM6 Chancery Mansion	29-Jul-16	69.9	72.3	65.3	75
NM6 Chancery Mansion	4-Aug-16	63.4	64.4	61.9	75
NM6 Chancery Mansion	10-Aug-16	64.1	65.4	62.5	75
NM6 Chancery Mansion	16-Aug-16	65.9	67.1	63.9	75
NM6 Chancery Mansion	22-Aug-16	62.4	68.7	65.8	75
NM6 Chancery Mansion	26-Aug-16	68.0	70.1	66.0	75
NM6 Chancery Mansion	1-Sep-16	66.2	67.7	63.3	75
NM6 Chancery Mansion	7-Sep-16	64.4	66.0	62.7	75
NM6 Chancery Mansion	13-Sep-16	64.0	65.1	62.5	75
NM6 Chancery Mansion	19-Sep-16	65.2	66.3	63.0	75
NM6 Chancery Mansion	23-Sep-16	65.9	67.4	63.2	75
NM6 Chancery Mansion	29-Sep-16	64.7	66.1	62.5	75
NM6 Chancery Mansion	5-Oct-16	66.7	67.9	63.5	75
NM6 Chancery Mansion	11-Oct-16	66.7	68.8	64.2	75
NM6 Chancery Mansion	17-Oct-16	64.8	66.0	62.1	75
NM6 Chancery Mansion	22-Oct-16	64.9	66.3	62.3	75
NM6 Chancery Mansion	27-Oct-16	64.9	66.4	63.3	75



Remark:
- 75dB(A) was adopted as the Limit Level during normal weekdays in the reporting period

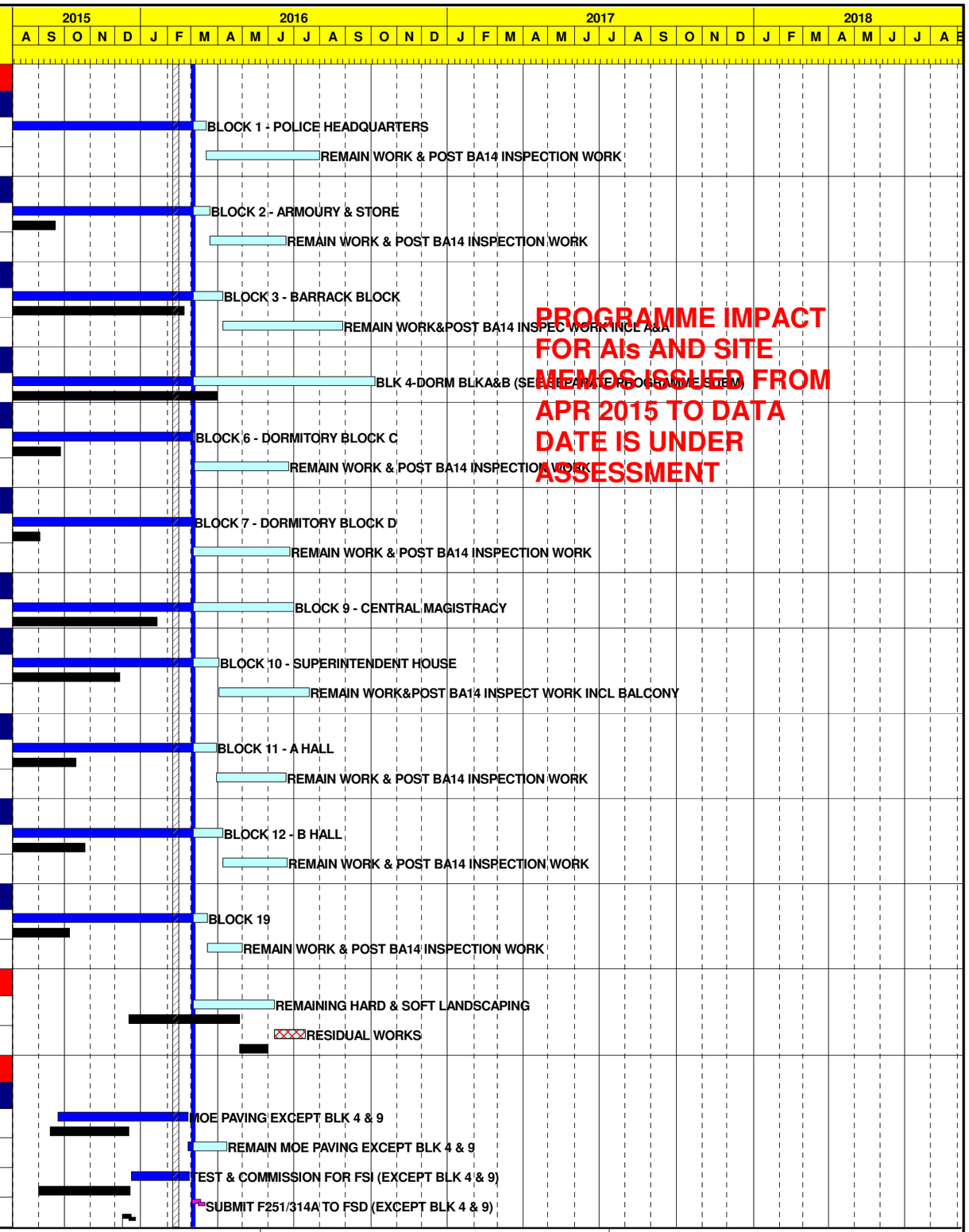


Remark:
- 75dB(A) was adopted as the Limit Level during normal weekdays in the reporting period

Annex H

Construction Programme of the Project

Activity ID	Activity Description	Dur Calendar Days	Forecast Start	Forecast Finish	SA Programme Planned Start	SA Programme Planned Finish
EXISTING BUILDINGS (BA14)						
Block 1						
01010	BLOCK 1 - POLICE HEADQUARTERS	1,032	03OCT12A	18MAR16	03OCT12*	31JUL15
01030	REMAIN WORK & POST BA14 INSPECTION WORK	135	19MAR16	31JUL16		
Block 2						
02010	BLOCK 2 - ARMOURY & STORE	870	04MAY13A	22MAR16	03MAY13*	19SEP15
02020	REMAIN WORK & POST BA14 INSPECTION WORK	91	23MAR16	21JUN16		
Block 3						
03010	BLOCK 3 - BARRACK BLOCK	1,067	21MAR13A	06APR16	21MAR13*	20FEB16
03020	REMAIN WORK&POST BA14 INSPEC WORK INCL A&A	144	07APR16	28AUG16		
Block 4						
04010	BLK 4-DORM BLKA&B (SEE SEPARATE PROGRAMME SUBM)	963	12AUG13A	06OCT16	12AUG13*	31MAR16
Block 6						
06010	BLOCK 6 - DORMITORY BLOCK C	951	18FEB13A	04MAR16	18FEB13*	26SEP15
06020	REMAIN WORK & POST BA14 INSPECTION WORK	112	05MAR16	24JUN16		
Block 7						
07010	BLOCK 7 - DORMITORY BLOCK D	898	19MAR13A	03MAR16A	19MAR13*	02SEP15
07020	REMAIN WORK & POST BA14 INSPECTION WORK	115	03MAR16	25JUN16		
Block 9						
09010	BLOCK 9 - CENTRAL MAGISTRACY	948	17JUN13A	30JUN16	17JUN13*	20JAN16
Block 10						
10010	BLOCK 10 - SUPERINTENDENT HOUSE	1,059	11JAN13A	02APR16	11JAN13*	05DEC15
10020	REMAIN WORK&POST BA14 INSPECT WORK INCL BALCONY	108	03APR16	19JUL16		
Block 11						
11010	BLOCK 11 - A HALL	1,069	10NOV12A	30MAR16	10NOV12*	14OCT15
11020	REMAIN WORK & POST BA14 INSPECTION WORK	83	31MAR16	21JUN16		
Block 12						
12010	BLOCK 12 - B HALL	1,080	10NOV12A	06APR16	10NOV12*	25OCT15
12020	REMAIN WORK & POST BA14 INSPECTION WORK	78	07APR16	23JUN16		
Block 19						
19010	BLOCK 19	798	01AUG13A	19MAR16	01AUG13*	07OCT15
19020	REMAIN WORK & POST BA14 INSPECTION WORK	42	20MAR16	30APR16		
EXTERNAL WORKS						
ST060	REMAINING HARD & SOFT LANDSCAPING	97	03MAR16*	07JUN16	18DEC15*	26APR16
ST065	RESIDUAL WORKS	37	08JUN16	14JUL16	27APR16	31MAY16
NON-OP BUILDINGS CLOSE OUT ACTIVITIES						
EXCEPT BLOCK 4 & 9						
ST130	MOE PAVING EXCEPT BLK 4 & 9	94	24SEP15A	25FEB16A	15SEP15*	17DEC15
ST135	REMAIN MOE PAVING EXCEPT BLK 4 & 9	47	26FEB16A	12APR16		
ST140	TEST & COMMISSION FOR FSI (EXCEPT BLK 4 & 9)	44	21DEC15A	26FEB16A	01SEP15*	18DEC15
ST150	SUBMIT F251/314A TO FSD (EXCEPT BLK 4 & 9)	0	10MAR16		18DEC15	



Start Date 15MAR12
Finish Date 07JUN17
Data Date 03MAR16
Run Date 07MAR16 13:14

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CENTRAL POLICE STATION
SUMMARY SUPPLEMENTAL AGREEMENT PROGRAMME FOR NON-OP BUILDINGS & FOOTBRIDGE (WITH PROGRESS AS OF 03 MAR 2016)

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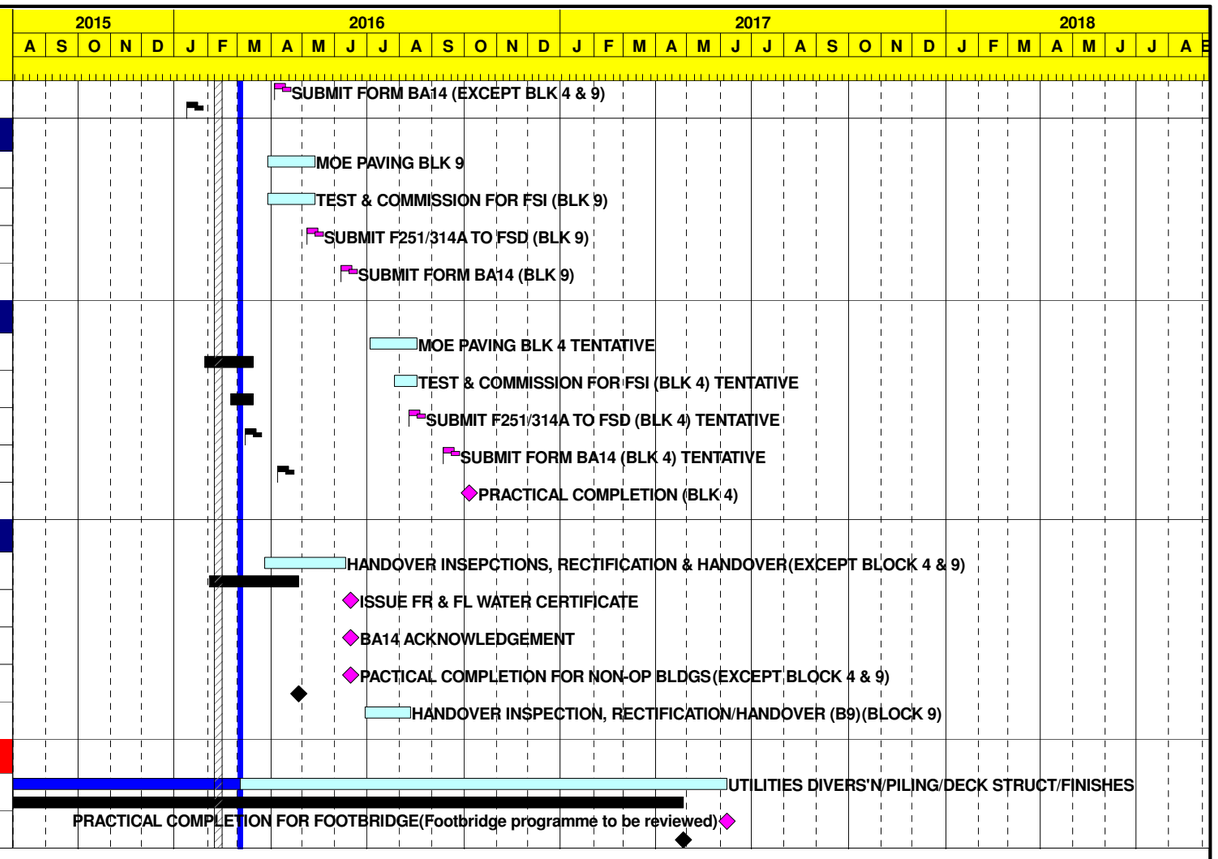
GCL/P/J3416/SA5/SUM/NOP

Date	Revision	Checked	Approved

Activity ID	Activity Description	Dur Calendar Days	Forecast Start	Forecast Finish	SA Programme Planned Start	SA Programme Planned Finish
ST205	SUBMIT FORM BA14 (EXCEPT BLK 4 & 9)	0	12APR16		20JAN16	
BLOCK 9						
ST370	MOE PAVING BLK 9	45	29MAR16	12MAY16		
ST380	TEST & COMMISSION FOR FSI (BLK 9)	45	29MAR16	12MAY16		
ST390	SUBMIT F251/314A TO FSD (BLK 9)	0	13MAY16			
ST410	SUBMIT FORM BA14 (BLK 9)	0	15JUN16			
BLOCK 4						
ST265	MOE PAVING BLK 4 TENTATIVE	45	04JUL16	17AUG16	30JAN16	14MAR16
ST270	TEST & COMMISSION FOR FSI (BLK 4) TENTATIVE	21	28JUL16	17AUG16	23FEB16	14MAR16
ST280	SUBMIT F251/314A TO FSD (BLK 4) TENTATIVE	0	18AUG16		15MAR16	
ST300	SUBMIT FORM BA14 (BLK 4) TENTATIVE	0	20SEP16		16APR16	
ST360	PRACTICAL COMPLETION (BLK 4)	0		06OCT16		
INSPECTION & HANDOVER						
ST320	HANDOVER INSEPCTIONS, RECTIFICATION & HANDOVER	77	27MAR16	11JUN16	03FEB16	26APR16
ST323	ISSUE FR & FL WATER CERTIFICATE	0		15JUN16		
ST326	BA14 ACKNOWLEDGEMENT	0		15JUN16		
ST330	PACTICAL COMPLETION FOR NON-OP BLDGS	0		15JUN16		26APR16
ST335	HANDOVER INSPECTION, RECTIFICATION/HANDOVER (B9)	43	30JUN16*	11AUG16		
FOOTBRIDGE						
ST340	UTILITIES DIVERS'N/PILING/DECK STRUCT/FINISHES	791	26FEB15A	07JUN17	26FEB15*	26APR17
ST350	PRACTICAL COMPLETION FOR FOOTBRIDGE	0		07JUN17		26APR17



Start Date	15MAR12
Finish Date	07JUN17
Data Date	03MAR16
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CENTRAL POLICE STATION
SUMMARY SUPPLEMENTAL AGREEMENT PROGRAMME FOR NON-OP BUILDINGS & FOOTBRIDGE (WITH PROGRESS AS OF 03 MAR 2016)

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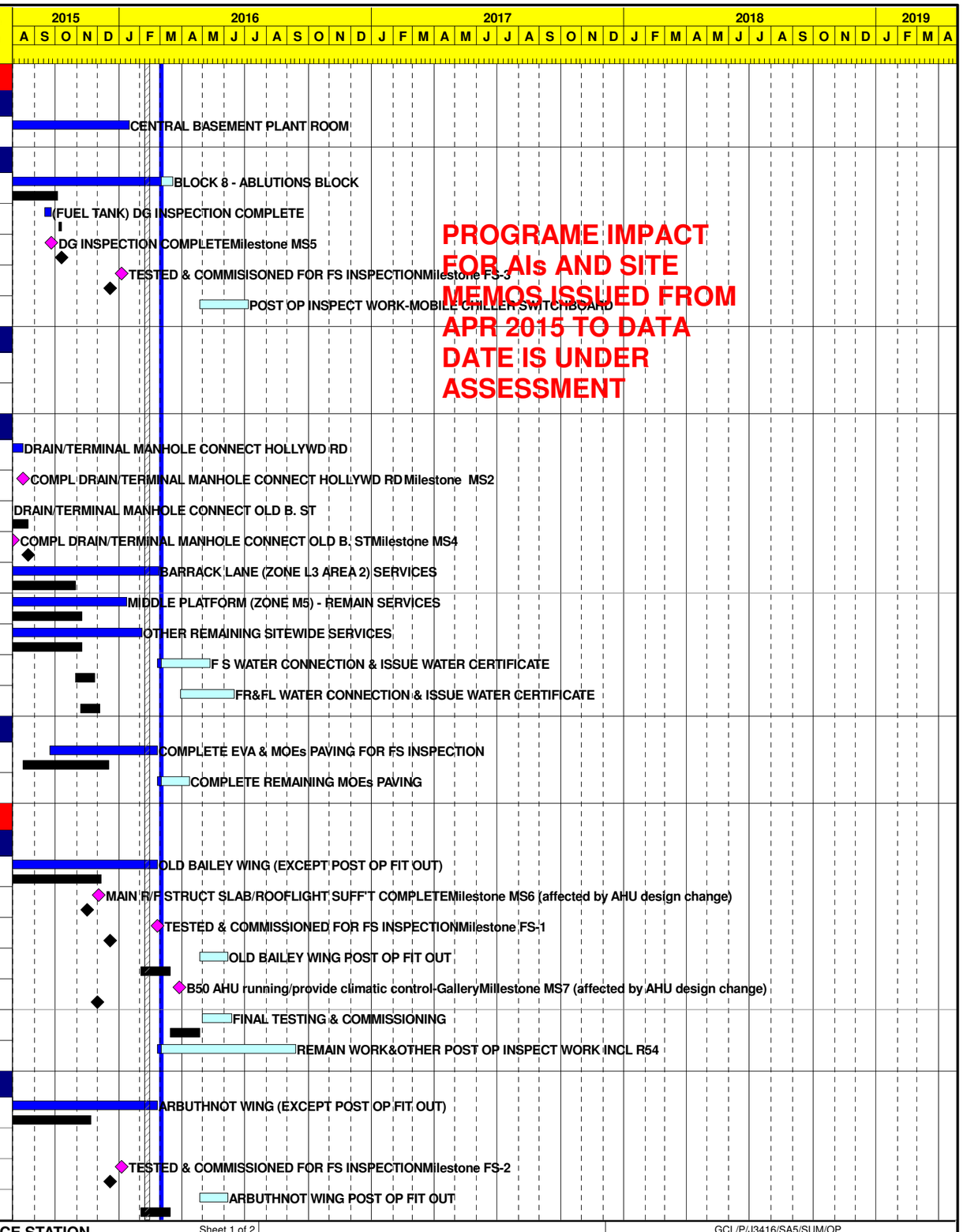
GCL/P/J3416/SA5/SUM/NOP

Date	Revision	Checked	Approved

Activity ID	Activity Description	Dur Calendar Days	Forecast Start	Forecast Finish	SA Programme Planned Start	SA Programme Planned Finish
OP ESSENTIALS						
CENTRAL BASEMENT PLANT ROOM						
01020	CENTRAL BASEMENT PLANT ROOM	1,046	04OCT12A	16JAN16A	04OCT12*	27JUL15
BLOCK 8						
08010	BLOCK 8 - ABLUTIONS BLOCK	1,259	23APR12A	19MAR16	23APR12*	03OCT15
08020	(FUEL TANK) DG INSPECTION COMPLETE	4	17SEP15A	24SEP15A	07OCT15*	10OCT15
08050	DG INSPECTION COMPLETE	0		24SEP15A		10OCT15
08080	TESTED & COMMISISONED FOR FS INSPECTION	0		05JAN16A		18DEC15*
08085	POST OP INSPECT WORK-MOBILE CHILLER SWITCHBOARD	70	27APR16*	05JUL16		
BUILDING A						
08060	DEMOLITION OF BLDG A	0	22MAY15A	12JUN15A	02MAY15*	06JUL15
08070	DEMOLITION OF BLDG A COMPLETE (SUBJECT TO HEC)	0		12JUN15A		06JUL15
SITEWIDE SERVICES						
SW010	DRAIN/TERMINAL MANHOLE CONNECT HOLLYWD RD	105	05MAR15A	14AUG15A	05MAR15*	17JUN15
SW015	COMPL DRAIN/TERMINAL MANHOLE CONNECT HOLLYWD RD	0		14AUG15A		17JUN15
SW020	DRAIN/TERMINAL MANHOLE CONNECT OLD B. ST	137	09APR15A	29JUL15A	09APR15*	23AUG15
SW025	COMPL DRAIN/TERMINAL MANHOLE CONNECT OLD B. ST	0		29JUL15A		23AUG15
SW030	BARRACK LANE (ZONE L3 AREA 2) SERVICES	133	17JUN15A	27FEB16A	17JUN15*	29OCT15
SW040	MIDDLE PLATFORM (ZONE M5) - REMAIN SERVICES	119	22JUL15A	12JAN16A	30JUN15*	08NOV15
SW045	OTHER REMAINING SITEWIDE SERVICES	281	01FEB15A	03FEB16A	01FEB15*	08NOV15
SW050	F S WATER CONNECTION & ISSUE WATER CERTIFICATE	81	26FEB16A	11MAY16	30OCT15*	26NOV15
SW060	FR&FL WATER CONNECTION & ISSUE WATER CERTIFICATE	77	31MAR16*	15JUN16	07NOV15*	04DEC15
EVA & MOE PAVING						
EW010	COMPLETE EVA & MOEs PAVING FOR FS INSPECTION	112	24SEP15A	26FEB16A	15AUG15*	17DEC15
EW020	COMPLETE REMAINING MOEs PAVING	46	27FEB16A	12APR16		
NEW BUILDINGS & OP EXISTING BUILDINGS						
OBW						
OBW010	OLD BAILEY WING (EXCEPT POST OP FIT OUT)	1,346	30MAR12A	25FEB16A	30MAR12*	05DEC15
OBW013	MAIN R/F STRUCT SLAB/ROOFLIGHT SUFF'T COMPLETE	0		02DEC15A		16NOV15
OBW015	TESTED & COMMISSIONED FOR FS INSPECTION	0		26FEB16A		18DEC15*
OBW020	OLD BAILEY WING POST OP FIT OUT	42	27APR16*	07JUN16	03FEB16	15MAR16
OBW025	B50 AHU running/provide climatic control-Gallery	0	28MAR16*		02DEC15*	
OBW030	FINAL TESTING & COMMISSIONING	42	01MAY16	11JUN16	16MAR16	26APR16
OBW035	REMAIN WORK&OTHER POST OP INSPECT WORK INCL R54	200	26FEB16A	12SEP16		
AW						
AW010	ARBUTHNOT WING (EXCEPT POST OP FIT OUT)	1,293	08MAY12A	25FEB16A	08MAY12*	21NOV15
AW013	RAKED SEATING-COMPLETE STRUCT STEEL/INSITU CONC	0		20MAY15A		06JUN15
AW015	TESTED & COMMISSIONED FOR FS INSPECTION	0		05JAN16A		18DEC15*
AW020	ARBUTHNOT WING POST OP FIT OUT	42	27APR16*	07JUN16	03FEB16	15MAR16



Start Date	15MAR12
Finish Date	07JUN17
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CENTRAL POLICE STATION
SUMMARY SUPPLEMENTAL AGREEMENT PROGRAMME
FOR ESSENTIALS & OP BUILDINGS, BLOCK 14, 15 & 17
(WITH PROGRESS AS OF 03 MAR 2016)

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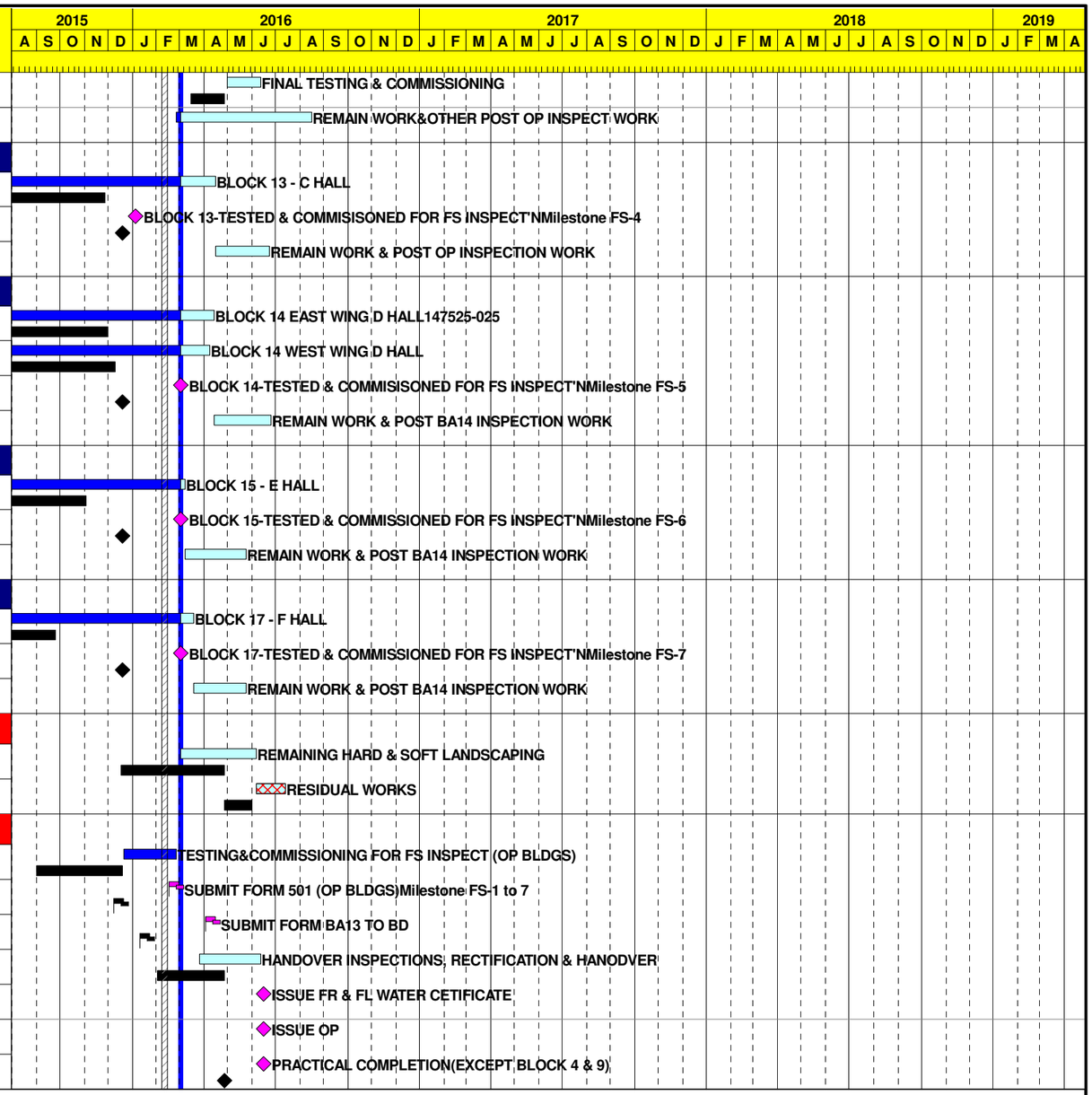
GCL/P/J3416/SA5/SUM/OP

Date	Revision	Checked	Approved

Activity ID	Activity Description	Dur Calendar Days	Forecast Start	Forecast Finish	SA Programme Planned Start	SA Programme Planned Finish
AW030	FINAL TESTING & COMMISSIONING	42	01MAY16	11JUN16	16MAR16	26APR16
AW035	REMAIN WORK&OTHER POST OP INSPECT WORK	173	26FEB16A	16AUG16		
BLOCK 13						
13010	BLOCK 13 - C HALL	1,043	18JAN13A	15APR16	18JAN13*	26NOV15
13020	BLOCK 13-TESTED & COMMISISONED FOR FS INSPECT'N	0		05JAN16A		18DEC15*
13030	REMAIN WORK & POST OP INSPECTION WORK	69	16APR16	23JUN16		
BLOCK 14						
14010	BLOCK 14 EAST WING D HALL	1,135	22OCT12A	14APR16	22OCT12*	30NOV15
14020	BLOCK 14 WEST WING D HALL	1,067	08JAN13A	07APR16	08JAN13*	10DEC15
14030	BLOCK 14-TESTED & COMMISISONED FOR FS INSPECT'N	0		02MAR16*		18DEC15*
14040	REMAIN WORK & POST BA14 INSPECTION WORK	72	15APR16	25JUN16		
BLOCK 15						
15010	BLOCK 15 - E HALL	876	10JUN13A	08MAR16	10JUN13*	02NOV15
15020	BLOCK 15-TESTED & COMMISSIONED FOR FS INSPECT'N	0		02MAR16*		18DEC15*
15030	REMAIN WORK & POST BA14 INSPECTION WORK	77	09MAR16	24MAY16		
BLOCK 17						
17010	BLOCK 17 - F HALL	1,241	02MAY12A	18MAR16	02MAY12*	24SEP15
17020	BLOCK 17-TESTED & COMMISSIONED FOR FS INSPECT'N	0		02MAR16*		18DEC15*
17030	REMAIN WORK & POST BA14 INSPECTION WORK	67	19MAR16	24MAY16		
EXTERNAL WORKS						
ST060	REMAINING HARD & SOFT LANDSCAPING	97	03MAR16*	07JUN16	18DEC15*	26APR16
ST065	RESIDUAL WORKS	37	08JUN16	14JUL16	27APR16	31MAY16
OP BUILDINGS CLOSE OUT ACTIVITIES						
ST050	TESTING&COMMISSIONING FOR FS INSPECT (OP BLDGS)	44	21DEC15A	26FEB16A	01SEP15*	18DEC15
ST055	SUBMIT FORM 501 (OP BLDGS)	0	26FEB16A		18DEC15	
ST075	SUBMIT FORM BA13 TO BD	0	12APR16		20JAN16	
ST090	HANDOVER INSPECTIONS, RECTIFICATION & HANODVER	77	27MAR16*	11JUN16	03FEB16	26APR16
ST093	ISSUE FR & FL WATER CETIFICATE	0		15JUN16*		
ST096	ISSUE OP	0		15JUN16		
ST100	PRACTICAL COMPLETION	0		15JUN16		26APR16



Start Date	15MAR12	S6C1	Sheet 2 of 2
Finish Date	07JUN17		
Data Date	03MAR16		
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CENTRAL POLICE STATION
SUMMARY SUPPLEMENTAL AGREEMENT PROGRAMME
FOR ESSENTIALS & OP BUILDINGS, BLOCK 14, 15 & 17
(WITH PROGRESS AS OF 03 MAR 2016)

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Date	Revision	Checked	Approved

Annex I

Waste Flow Table

Annex I – Waste Flow Table

Month / Year	Quantity										
	C&D Materials (inert) (tonnes) [a]	Number of Trucks for C&D Materials Disposal (inert)	Volume of C&D Materials (inert) (m^3) [c]	C&D Materials (non-inert) (tonnes) [b]	Number of Trucks for C&D Materials Disposal (non-inert)	Volume of C&D Materials (non-inert) (m^3) [c]	Chemical Waste (Solid /kg)	Chemical Waste (Liquid/L)	Recycled materials		
									Paper/cardboard (kg)	Plastics (kg)	Metals (kg)
October 2011 – November 2011	0	0	0	33.5	12	58.50	0	0	38	6	36423
December-11	0	0	0	18.25	6	29.25	0	0	112	0	24000
January-12	354.14	40	195.00	16.88	5	24.38	2400	0	0	0	3820
February-12	252.35	15	73.13	17.13	5	24.38	1400	0	223	0	8910
March-12	666.43	62	302.25	28.56	9	43.88	3200	0	0	0	48490
April-12	688.68	72	351.00	17.54	5	24.38	0	0	0	0	124030
May-12	492.33	61	297.38	36.33	13	63.38	0	0	266	0	0
June-12	383.11	45	219.38	27.41	8	39.00	40	45	0	0	1100
July-12	217.98	25	121.88	23.22	8	39.00	0	0	302	0	1750
August-12	341.87	42	204.75	48.87	16	78.00	0	0	0	0	2310
September-12	227.7	29	141.38	37.99	12	58.50	0	0	383	0	1410
October-12	290.58	44	214.50	30.34	8	39.00	0	0	86	0	3150
November-12	843.86	100	487.50	47.44	15	73.13	0	0	0	0	5650
December-12	207.5	27	131.63	88.66	28	136.50	0	0	0	0	27230
January-13	273.64	34	165.75	276.17	74	360.75	0	0	172	0	8120
February-13	945.97	131	638.63	177.54	46	224.25	0	0	0	0	1080
March-13	1236.96	151	736.13	230.55	60	292.50	0	0	164	0	11300
April-13	1406.79	187	911.63	232.27	63	307.13	135	12	225	0	21220
May-13	2679.91	317	1545.38	176.68	44	214.50	0	0	62	0	17286
June-13	3062.38	356	1735.50	212.63	56	273.00	0	0	0	0	7150
July-13	3814.86	465	2266.88	114.36	43	209.63	0	0	168	0	14843
August-13	2831.78	353	1720.88	89.23	25	121.88	0	0	0	0	7190
September-13	979.49	141	687.38	103.73	29	141.38	40	0	0	0	4030
October-13	2170.54	270	1316.25	157.48	41	199.88	135	0	0	0	3120
November-13	836.74	109	531.38	191.58	44	214.50	0	0	202	0	18486
December-13	2606.76	296	1443.00	192.54	49	238.88	0	0	0	0	10041
January-14	3813.53	400	1950.00	97.87	36	175.50	0	0	0	0	14110
February-14	3378.16	316	1540.50	37.84	14	68.25	0	0	0	0	9800
March-14	5256.15	516	2515.50	89.39	31	151.13	0	0	6000	0	19030
April-14	3006	299	1457.63	114.31	33	160.88	45	0	0	0	6950
May-14	3195.53	310	1511.25	119.54	37	180.38	0	0	0	0	7000
June-14	2176.81	205	999.38	148.8	45	219.38	0	0	242	0	8830
July-14	1009.96	111	541.13	147.36	49	238.88	0	0	0	0	6680
August-14	379.23	53	258.38	211.86	47	229.13	0	0	0	0	13690
September-14	1216.97	123	599.63	264.83	56	273.00	0	0	0	0	9720
October-14	1162.34	124	604.50	294.33	65	316.88	0	0	0	0	57080
November-14	1249.55	141	687.38	336.57	75	365.63	0	0	0	0	6660
December-14	1177.63	129	628.88	260.33	69	336.38	0	0	68	0	12080
January-15	614.34	69	336.38	222.32	58	282.75	0	0	0	0	3000
February-15	593.97	78	380.25	133.74	40	195.00	0	0	0	0	5420
March-15	766.35	93	453.38	245.77	71	346.13	0	0	106	0	8980
April-15	594.77	78	380.25	195.55	51	248.63	0	0	0	0	3370
May-15	832.50	110	536.25	212.04	63	307.13	0	0	133	0	5090
June-15	673.87	84	409.50	222.66	72	351.00	0	0	23	0	0
July-15	1133.90	137	667.88	184.02	62	302.25	0	0	0	0	6950
August-15	1394.20	157	765.38	226.04	81	394.88	0	0	0	0	0
September-15	942.39	107	521.63	330.23	108	526.50	0	0	0	0	0
October-15	1874.26	220	1072.50	286.27	109	531.38	0	0	60	0	0
November-15	830.67	93	453.38	321.6	117	570.38	0	0	86	0	4970
December-15	596.00	58	282.75	250.51	107	521.63	0	0	103	0	16770
January-16	505.11	57	277.88	265.56	120	585.00	0	0	0	0	6340
February-16	274.16	30	146.25	128.66	70	341.25	0	0	170	0	0
March-16	114.67	17	82.88	380.06	116	565.50	0	0	0	0	0
April-16	244.83	34	165.75	308.28	113	550.88	0	0	0	0	0
May-16	402.49	55	268.13	216.79	74	360.75	0	0	0	0	0
June-16	173.01	20	97.50	109.25	36	175.50	0	0	248	0	0
July-16	303.68	37	180.38	83.99	40	195.00	0	0	0	0	0
August-16	147.28	19	92.63	112.63	46	224.25	0	0	0	0	0
September-16	17.64	3	14.63	88.26	39	190.13	0	0	226	0	0
October-16	57.59	9	43.88	69.64	28	136.50	0	0	0	0	0
Total	67921.89	7664	37362	9343.78	2902	14147.25	7395	57	9868	6	644659

Notes:

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

(b) Non-inert C&D materials include wastes such as general refuse and mixed construction waste.

(c) If necessary, use the conversion factor: 3/4 load of dumping truck being equivalent to 6.5 m^3 by volume.

Annex J

Environmental Complaint, Environmental Summons, Prosecution Log and Environmental Complaint Investigation Report

Annex J1

Cumulative Environmental Complaint and Summons/Prosecutions Log

Annex J1 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
March 2013	1	0
April 2013	0	0

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

Reporting Month	Number of Complaints in Reporting Month	Number of Summons/Prosecutions in Reporting Month
December 2014	0	0
January 2015	0	0
February 2015	1	0
March 2015	1	0
April 2015	0	0
May 2015	1	0
June 2015	1	0
July 2015	1	0
August 2015	1	0
September 2015	0	0
October 2015	0	0
November 2015	0	0
December 2015	0	0
January 2016	0	0
February 2016	0	0
March 2016	1	0
April 2016	0	0
May 2016	0	0
June 2016	0	0

Reporting Month	Number of Complaints in Reporting Month	Number of Summons/Prosecutions in Reporting Month
July 2016	0	0
August 2016	0	0
September 2016	1	0
October 2016	0	0
Overall Total	**32**	**0**

Annex J2

Environmental Complaint Investigation Report

Central Police Station
Conservation and Revitalisation Project

COMPLAINT INVESTIGATION REPORT

Basic Information of Complaint

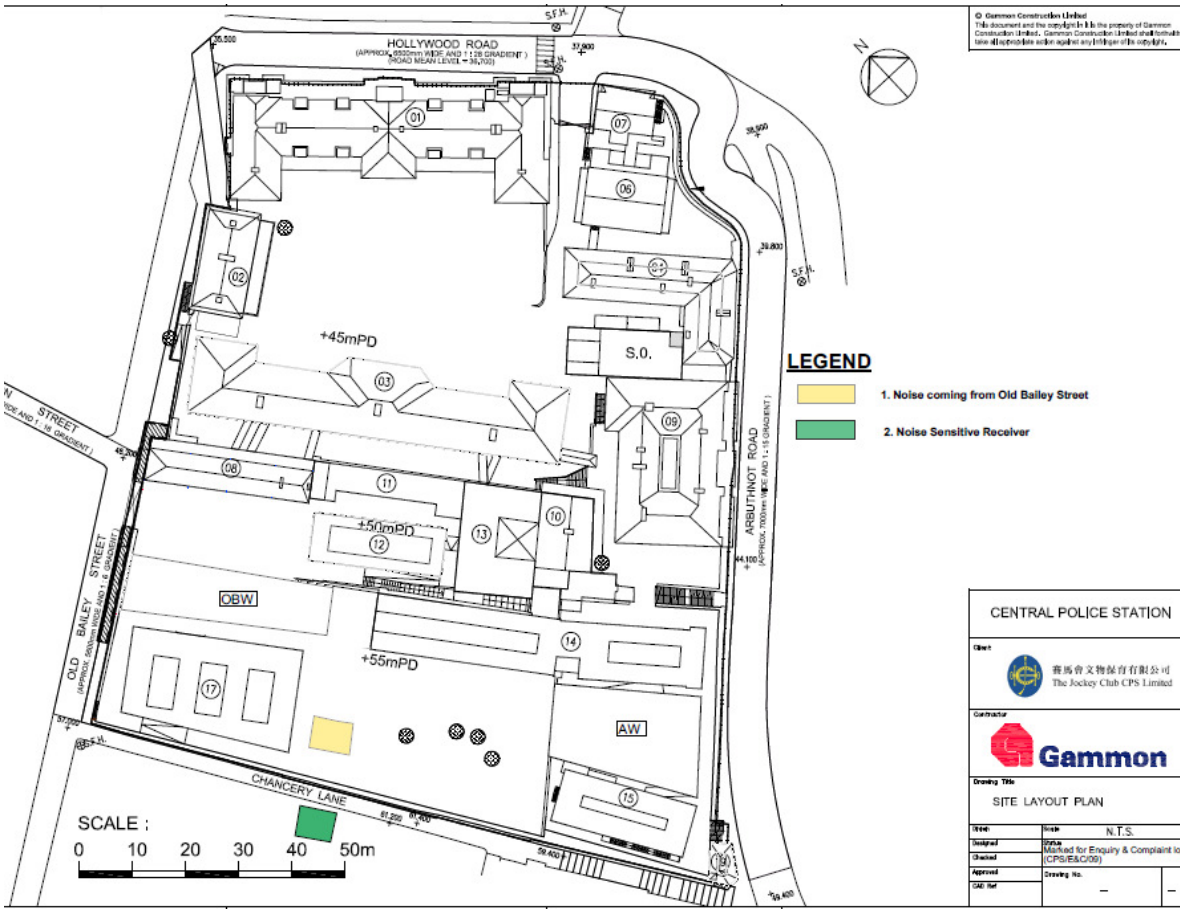
Log Number:	**2016/03/001**
Date of Complaint Received	13 March 2016
Location of Complaint	Project Site
Nature of Complaint	Noise nuisance
Complaint Received by	Hong Kong Jockey Club (HKJC)
Complainant	[redacted]

Details of Complaint

A noise complaint was received by the HKJC in the morning on 13 March 2016. The complainant also reported the noise nuisance to the police on 13 March 2016. The complainant complained about noise nuisance at around 08:00 hour. Policemen arrived at the CPS Site at 10:30 hour to investigate the noise complaint. The complaint was transferred to the Project's Environmental Team on 15 March 2016.

1. CPS site staff have accompanied and assisted the policemen for their investigation process. No noise generating activities from the CPS site was identified during the investigation.

2. As reported by the site team, some workers were moving some dry wall metal channel to the material storage area near Block 17 during the time of complaint. The potential noise nuisance may have been originated from the process of handling the dry wall metal channel at the material storage area. The location of the material storage area is shown in the figure below. No operation of Power Mechanical Equipment (PME) or carrying out of Prescribed Construction Work (PCW) was involved.

3. 

Mitigation Measures and Follow-up Actions Recommended to Contractor

All construction works are carried out strictly following the necessary requirements specified in EIA, EM&A Manual, EMP, Method Statements, General and Particular Specifications of this Project. The operation team and works contractors have been reminded to carry out material handling and other works activities with care to avoid causing unnecessary noise nuisance as much as possible. Any work carried out within the CPS site on Sundays or general holidays should be avoided as far as practicable. Also, a reminder was given to all frontline, operation team and works contractor that all general construction works using PME and prescribed construction activities are prohibited during restricted hours, i.e. between 7pm to 7am on normal working days or at any time on a general holiday (including Sunday), unless a valid CNP is obtained. All PMEs without valid CNP must be switched off before 19:00 hour during normal working days. GCL will also enhance site supervision to ensure compliance of the above.

Date of File Closed : 21 March 2016

Approved by:

ET Leader	IEC	JCCPS's Representative	Rocco Design Architect's Representative
(Name: Katie Yu)	(Name: Sharifah Or)	(Name: C W Sham)	(Name: CHARLES KWNG)
Date: 21 March 2016	Date: 29 March 2016	Date: 12 Apr 2016	Date: 12 Apr 2016

Gammon's Representative

(Name: CLIFF LEUNG)
Date: 2016.03.23

Central Police Station
Conservation and Revitalisation Project

COMPLAINT INVESTIGATION REPORT

Basic Information of Complaint

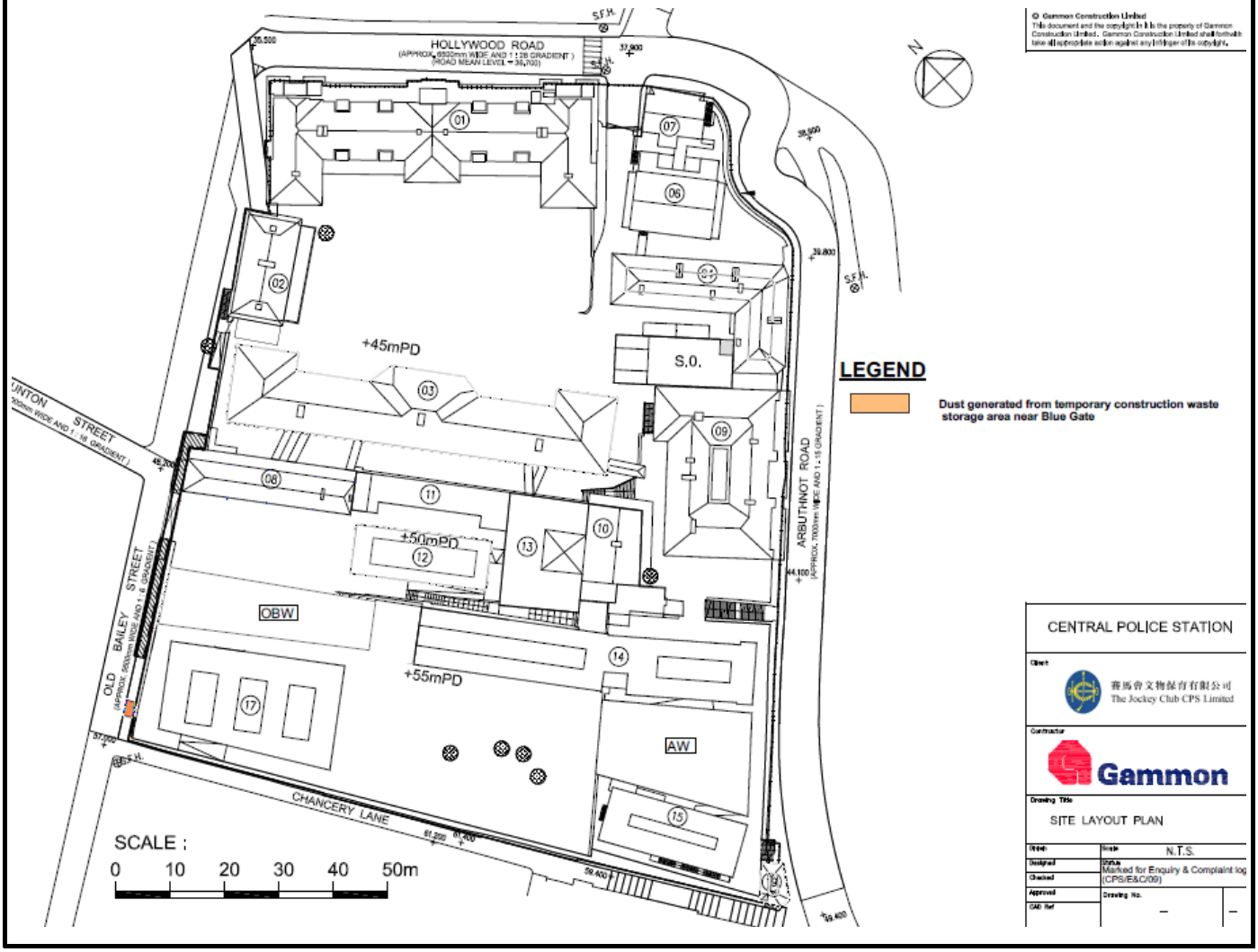
Log Number:	**2016/09/001**
Date of Complaint Received	early September 2016
Location of Complaint	Project Site
Nature of Complaint	Dust nuisance
Complaint Received by	Food and Environmental Hygiene Department (FEHD)
Complainant	Resident near CPS Site

Details of Complaint

A dust nuisance complaint was received by the FEHD and was transferred to EPD in early September 2016. The specific date of the complaint was not indicated by the complainant. The complainant mentioned that dust emissions were observed near the CPS Site, but did not provide more details on the type of activity causing the dust emissions. EPD subsequently conducted a site visit on 19 September 2016 and contacted the environmental manager of Gammon Construction Limited (GCL) regarding the complaint. The complaint was transferred to the Project's Environmental Team (ET) on 21 September 2016.

1. EPD has conducted a site visit at the CPS site with representatives from GCL on 19 September 2016. During the site visit, it was observed that a temporary construction waste storage area was located near the site entrance at Old Bailey Street.

2. It is suspected that potential dust emissions may be generated from the temporary construction waste storage area. The location of the temporary construction waste storage area is shown in the figure below.



Mitigation Measures and Follow-up Actions Recommended to Contractor

All construction works are carried out strictly following the necessary requirements specified in EIA, EM&A Manual, EMP, Method Statements, General and Particular Specifications of this Project. The operation team and works contractors have been reminded to spray some water to keep the temporary construction waste storage area moist and cover the construction waste using tarpaulin sheet at all times to suppress potential dust emissions. It is also reminded that the construction waste should be removed on a daily basis to avoid accumulation of the construction waste at the temporary storage area.

Date of File Closed : 28 September 2016

Approved by:

ET Leader	IEC	JCCPS's Representative	Rocco Design Architect's Representative
(Name: Katie Yu)	(Name: Sharifah Or)	(Name: C.W. Sham)	(Name: CHARLES KUNG)
Date: 28 September 2016	Date: 30 September 2016	Date: 3 Oct 2016	Date: 3 Oct 2016

Gammon's Representative

(Name: CLIFF LEUNG)
Date: 2016.09.28

Annex K

Records of Vibration Monitoring for Trial Piling and Piling Works

Foundation Pile Works at Block 8.

WYNDHAM STREET

ARBUTHNOT ROAD

EZRA'S LANE

HOLLYWOOD ROAD

OLD BAILEY STREET

JUNCTION ROAD

CHANCERY LANE

Central Police Station

Victoria Prison

The Centrium

Shiu King Court

Ovolo

Chinachem Hollywood Centre

Garfield Commercial Building

3a Hanoi House

Au's Building

Podium

Wing Lee Building

Hollywood Commercial House

Winning House

Villa Serene

Cambridge Villa

Tung Yuen Building

Chancery Mansion

Avon Court

HK 26 Court

Lascar Court

11SW-B/R17

11SW-B/R18

11SW-B/R22

11SW-B/R805

11SW-B/R806

11SW-B/R23

11SW-B/R24

11SW-B/R176

11SW-B/R52

11SW-B/R53

11SW-B/R19

11SW-B/R174

11SW-B/R175

11SW-B/R177

11SW-B/R55

11SW-B/R54

11SW-B/R178

WORKING ZONE B (EXCAVATIONS BLOCK 8)

Plan Approved
NG Kin-shing
Chief Structural Engineer
for BUILDING AUTHORITY
20 FEB 2012

Key Plan

BD SUBMISSION
Drawing Status

- This drawing and the contents hereon are the copyright of relevant consultants.
- No part of the drawing and the design contained herein may be reproduced without the prior written consent of relevant consultants.
- Do not take measurements directly from this drawing.
- Check and verify all dimensions on site.
- Read this drawing in conjunction with the specifications and all other related drawings.
- Notify the relevant consultants immediately of any discrepancy found hereon.

Client
The Jockey Club CPS Limited

Design Consultant
HERZOG & DE MEURON

Conservation Architect

Executive Architect / AP
ROCCO

Structural Engineer / RSE
ARUP

E & M Engineer
JRP

Project
CENTRAL POLICE STATION CONSERVATION AND REVITALISATION PROJECT

Drawing Title
MONITORING LAYOUT PLAN

Scale	Drawn	Checked
1:300@A1	K.C.Lo	AL

Drawing No.
00-0AP209674-G-001

Revision
-

No.	Description	Date	Approved
-	BD SUBMISSION	12/11	JS

LEGEND

- EXISTING FRESH WATER MAIN
- EXISTING SALT WATER MAIN
- EXISTING STREET LIGHTING NO. 33488-A1
- EXISTING STREET LIGHTING CABLE
- EXISTING GAS MAIN
- EXISTING HV ELECTRICITY CABLE
- EXISTING LV ELECTRICITY CABLE
- EXISTING TELECOMMUNICATION DUCT (HUTCHISON GLOBAL COMMUNICATIONS LIMITED)
- EXISTING STORMWATER DRAIN
- EXISTING FOUL SEWER
- PROPOSED FOUL SEWER
- STE BOUNDARY
- EXISTING RETAINING WALL
- EXISTING DRILLHOLE WITH STANDPIPE/PIEZOMETER
- BS1-1/BT1-1 PROPOSED BUILDING SETTLEMENT POINTS/TILTMETER
- RS174-1/RT174-1 PROPOSED RETAINING WALL SETTLEMENT POINTS/TILTMETER
- IN1-1 PROPOSED INCLINOMETER TO BE EITHER IN BORED PILE WALL OR PIPE PILE WALL
- GS1 PROPOSED GROUND SETTLEMENT POINTS
- UT1 PROPOSED UTILITY MONITORING POINTS
- VW1-1 PROPOSED VIBRATION MONITORING POINTS
- ADH1(S/P) PROPOSED ADDITIONAL DRILLHOLE

NOTES
1. UTILITIES SETTLEMENT POINTS (UT1 TO UT6) SHALL ONLY BE INSTALLED AFTER EXCAVATION PERMIT IS OBTAINED AS ALTERNATES SETTLEMENT POINTS (GS1.5 AND GS1.6) HAVE BEEN INSTALLED
2. SHOULD UT1 TO UT6 BE INSTALLED, GS1.5 AND GS1.6 SHALL NOT BE REQUIRED
3. THREE UTILITIES SETTLEMENT MARKERS (UT1 TO UT3) OR GROUND SETTLEMENT MARKERS (GS1.5 AND GS1.6) SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF OLD BAILEY WORKS WORKS

Cad file : 00-0AP209674-G-001.dwg

(Block 8 Foundation)

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

Monitoring Check Pts.	Trigger Levels		
	Alert level	Alarm level	Action level
Vibrating 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 1-Nov-2015 to 30-Nov-2015

POINT		VM11-1#	VM11-2						
DATE	PD/(m)	mm/s	mm/s						
19-Jun-2012 (Initial)		0.13	0.19						
1-Nov-2015	Sunday								
2-Nov-2015		**0.101**	**0.105**						
3-Nov-2015		**0.107**	**0.102**						
4-Nov-2015		**0.103**	**0.107**						
5-Nov-2015		**0.109**	**0.105**						
6-Nov-2015		**0.102**	**0.105**						
7-Nov-2015		**0.102**	**0.103**						
8-Nov-2015	Sunday								
9-Nov-2015		**0.105**	**0.109**						
10-Nov-2015		**0.102**	**0.109**						
11-Nov-2015		**0.100**	**0.106**						
12-Nov-2015		**0.105**	**0.104**						
13-Nov-2015		**0.106**	**0.109**						
14-Nov-2015		**0.107**	**0.102**						
15-Nov-2015	Sunday								
16-Nov-2015		**0.106**	**0.115**						
17-Nov-2015		**0.103**	**0.104**						
18-Nov-2015		**0.101**	**0.107**						
19-Nov-2015		**0.110**	**0.112**						
20-Nov-2015		**0.098**	**0.114**						
21-Nov-2015		**0.103**	**0.106**						
22-Nov-2015	Sunday								
23-Nov-2015		**0.101**	**0.103**						
24-Nov-2015		**0.098**	**0.105**						
25-Nov-2015		**0.106**	**0.107**						
26-Nov-2015		**0.108**	**0.105**						
27-Nov-2015		**0.101**	**0.107**						
28-Nov-2015		**0.104**	**0.109**						
29-Nov-2015	Sunday								
30-Nov-2015		**0.102**	**0.109**						

(Block 8 Foundation)

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

Monitoring Check Pts.	Trigger Levels		
	Alert level	Alarm level	Action level
Vibrating 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 1-Dec-2015 to 31-Dec-2015

POINT		VM11-1#	VM11-2						
DATE	PD/(m)	mm/s	mm/s						
19-Jun-2012 (Initial)		0.13	0.19						
1-Dec-2015		**0.105**	**0.101**						
2-Dec-2015		**0.103**	**0.107**						
3-Dec-2015		**0.103**	**0.108**						
4-Dec-2015		**0.099**	**0.101**						
5-Dec-2015		**0.106**	**0.101**						
6-Dec-2015	Sunday								
7-Dec-2015		**0.101**	**0.109**						
8-Dec-2015		**0.103**	**0.104**						
9-Dec-2015		**0.105**	**0.107**						
10-Dec-2015		**0.103**	**0.109**						
11-Dec-2015		**0.103**	**0.107**						
12-Dec-2015		**0.104**	**0.103**						
13-Dec-2015	Sunday								
14-Dec-2015		**0.099**	**0.107**						
15-Dec-2015		**0.112**	**0.109**						
16-Dec-2015		**0.103**	**0.105**						
17-Dec-2015		**0.103**	**0.108**						
18-Dec-2015		**0.103**	**0.106**						
19-Dec-2015		**0.108**	**0.108**						
20-Dec-2015	Sunday								
21-Dec-2015		**0.101**	**0.109**						
22-Dec-2015		**0.103**	**0.109**						
23-Dec-2015		**0.101**	**0.107**						
24-Dec-2015		**0.094**	**0.104**						
25-Dec-2015	Holiday								
26-Dec-2015	Holiday								
27-Dec-2015	Sunday								
28-Dec-2015		**0.101**	**0.106**						
29-Dec-2015		**0.110**	**0.105**						
30-Dec-2015		**0.106**	**0.113**						
31-Dec-2015		**0.103**	**0.107**						

(Block 8 Foundation)

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

Monitoring Check Pts.	Trigger Levels		
	Alert level	Alarm level	Action level
Vibrating 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 1-Jan-2016 to 31-Jan-2016

POINT		VM11-1#	VM11-2						
DATE	PD/(m)	mm/s	mm/s						
19-Jun-2012 (Initial)		0.13	0.19						
1-Jan-2016	Holiday								
2-Jan-2016		**0.103**	**0.105**						
3-Jan-2016	Sunday								
4-Jan-2016		**0.101**	**0.107**						
5-Jan-2016		**0.103**	**0.107**						
6-Jan-2016		**0.102**	**0.109**						
7-Jan-2016		**0.096**	**0.094**						
8-Jan-2016		**0.109**	**0.102**						
9-Jan-2016		**0.101**	**0.102**						
10-Jan-2016	Sunday								
11-Jan-2016		**0.105**	**0.109**						
12-Jan-2016		**0.102**	**0.104**						
13-Jan-2016		**0.101**	**0.107**						
14-Jan-2016		**0.106**	**0.106**						
15-Jan-2016		**0.103**	**0.115**						
16-Jan-2016		**0.105**	**0.110**						
17-Jan-2016	Sunday								
18-Jan-2016		**0.101**	**0.106**						
19-Jan-2016		**0.103**	**0.118**						
20-Jan-2016		**0.095**	**0.104**						
21-Jan-2016		**0.100**	**0.107**						
22-Jan-2016		**0.102**	**0.109**						
23-Jan-2016		**0.099**	**0.102**						
24-Jan-2016	Sunday								
25-Jan-2016		**0.106**	**0.101**						
26-Jan-2016		**0.100**	**0.105**						
27-Jan-2016		**0.107**	**0.112**						
28-Jan-2016		**0.110**	**0.106**						
29-Jan-2016		**0.102**	**0.105**						
30-Jan-2016		**0.105**	**0.103**						
31-Jan-2016	Sunday								

(Block 8 Foundation)

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

Monitoring Check Pts.	Trigger Levels		
	Alert level	Alarm level	Action level
Vibrating 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 1-Feb-2016 to 29-Feb-2016

POINT		VM11-1#	VM11-2						
DATE	PD/(m)	mm/s	mm/s						
19-Jun-2012 (Initial)		0.13	0.19						
1-Feb-2016		**0.109**	**0.101**						
2-Feb-2016		**0.105**	**0.103**						
3-Feb-2016		**0.102**	**0.109**						
4-Feb-2016		**0.103**	**0.106**						
5-Feb-2016		**0.094**	**0.105**						
6-Feb-2016		**0.087**	**0.100**						
7-Feb-2016	Sunday								
8-Feb-2016	Holiday								
9-Feb-2016	Holiday								
10-Feb-2016	Holiday								
11-Feb-2016		**0.052**	**0.070**						
12-Feb-2016		**0.059**	**0.061**						
13-Feb-2016		**0.067**	**0.082**						
14-Feb-2016	Sunday								
15-Feb-2016		**0.098**	**0.103**						
16-Feb-2016		**0.100**	**0.108**						
17-Feb-2016		**0.105**	**0.107**						
18-Feb-2016		**0.101**	**0.106**						
19-Feb-2016		**0.103**	**0.105**						
20-Feb-2016		**0.107**	**0.109**						
21-Feb-2016	Sunday								
22-Feb-2016		**0.105**	**0.100**						
23-Feb-2016		**0.103**	**0.107**						
24-Feb-2016		**0.101**	**0.105**						
25-Feb-2016		**0.106**	**0.114**						
26-Feb-2016		**0.097**	**0.101**						
27-Feb-2016		**0.102**	**0.106**						
28-Feb-2016	Sunday								
29-Feb-2016		**0.105**	**0.102**						

(Block 8 Foundation)

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

Monitoring Check Pts.	Trigger Levels		
	Alert level	Alarm level	Action level
Vibrating 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 1-Mar-2016 to 31-Mar-2016

POINT		VM11-1#	VM11-2						
DATE	PD/(m)	mm/s	mm/s						
19-Jun-2012 (Initial)		0.13	0.19						
1-Mar-2016		**0.103**	**0.100**						
2-Mar-2016		**0.109**	**0.100**						
3-Mar-2016		**0.106**	**0.104**						
4-Mar-2016		**0.103**	**0.100**						
5-Mar-2016		**0.109**	**0.105**						
6-Mar-2016	Sunday								
7-Mar-2016		**0.106**	**0.100**						
8-Mar-2016		**0.102**	**0.097**						
9-Mar-2016		**0.107**	**0.102**						
10-Mar-2016		**0.104**	**0.107**						
11-Mar-2016		**0.105**	**0.097**						
12-Mar-2016		**0.103**	**0.103**						
13-Mar-2016	Sunday								
14-Mar-2016		**0.105**	**0.100**						
15-Mar-2016		**0.107**	**0.103**						
16-Mar-2016		**0.104**	**0.106**						
17-Mar-2016		**0.109**	**0.100**						
18-Mar-2016		**0.114**	**0.102**						
19-Mar-2016		**0.105**	**0.097**						
20-Mar-2016	Sunday								
21-Mar-2016		**0.109**	**0.095**						
22-Mar-2016		**0.103**	**0.100**						
23-Mar-2016		**0.116**	**0.102**						
24-Mar-2016		**0.104**	**0.105**						
25-Mar-2016	Holiday								
26-Mar-2016	Holiday								
27-Mar-2016	Sunday								
28-Mar-2016	Holiday								
29-Mar-2016		**0.105**	**0.109**						
30-Mar-2016		**0.108**	**0.111**						
31-Mar-2016		**0.103**	**0.102**						

(Block 8 Foundation)

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

Monitoring Check Pts.	Trigger Levels		
	Alert level	Alarm level	Action level
Vibrating 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 1-Apr-2016 to 30-Apr-2016

POINT		VM11-1#	VM11-2						
DATE	PD/(m)	mm/s	mm/s						
19-Jun-2012 (Initial)		0.13	0.19						
1-Apr-2016		**0.109**	**0.100**						
2-Apr-2016		**0.103**	**0.092**						
3-Apr-2016	Sunday								
4-Apr-2016	Holiday								
5-Apr-2016		**0.107**	**0.100**						
6-Apr-2016		**0.102**	**0.095**						
7-Apr-2016		**0.100**	**0.104**						
8-Apr-2016		**0.102**	**0.107**						
9-Apr-2016		**0.109**	**0.102**						
10-Apr-2016	Sunday								
11-Apr-2016		**0.102**	**0.105**						
12-Apr-2016		**0.109**	**0.102**						
13-Apr-2016		**0.105**	**0.102**						
14-Apr-2016		**0.107**	**0.101**						
15-Apr-2016		**0.103**	**0.107**						
16-Apr-2016		**0.106**	**0.102**						
17-Apr-2016	Sunday								
18-Apr-2016		**0.105**	**0.100**						
19-Apr-2016		**0.101**	**0.103**						
20-Apr-2016		**0.109**	**0.110**						
21-Apr-2016		**0.103**	**0.100**						
22-Apr-2016		**0.106**	**0.097**						
23-Apr-2016		**0.106**	**0.102**						
24-Apr-2016	Sunday								
25-Apr-2016		**0.105**	**0.100**						
26-Apr-2016		**0.103**	**0.100**						
27-Apr-2016		**0.110**	**0.102**						
28-Apr-2016		**0.106**	**0.105**						
29-Apr-2016		**0.103**	**0.101**						
30-Apr-2016		**0.107**	**0.100**						

(Block 8 Foundation)

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

Monitoring Check Pts.	Trigger Levels		
	Alert level	Alarm level	Action level
Vibrating 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 1-May-2016 to 31-May-2016

POINT		VM11-1#	VM11-2						
DATE	PD/(m)	mm/s	mm/s						
19-Jun-2012 (Initial)		0.13	0.19						
1-May-2016	Holiday								
2-May-2016	Holiday								
3-May-2016		**0.109**	**0.100**						
4-May-2016		**0.105**	**0.094**						
5-May-2016		**0.101**	**0.099**						
6-May-2016		**0.103**	**0.103**						
7-May-2016		**0.106**	**0.109**						
8-May-2016	Sunday								
9-May-2016		**0.102**	**0.103**						
10-May-2016		**0.108**	**0.102**						
11-May-2016		**0.105**	**0.099**						
12-May-2016		**0.107**	**0.105**						
13-May-2016		**0.110**	**0.105**						
14-May-2016	Holiday								
15-May-2016	Sunday								
16-May-2016		**0.103**	**0.107**						
17-May-2016		**0.109**	**0.102**						
18-May-2016		**0.102**	**0.103**						
19-May-2016		**0.102**	**0.107**						
20-May-2016		**0.105**	**0.099**						
21-May-2016		**0.108**	**0.103**						
22-May-2016	Sunday								
23-May-2016		**0.102**	**0.106**						
24-May-2016		**0.100**	**0.107**						
25-May-2016		**0.103**	**0.102**						
26-May-2016		**0.105**	**0.105**						
27-May-2016		**0.101**	**0.101**						
28-May-2016		**0.102**	**0.106**						
29-May-2016	Sunday								
30-May-2016		**0.076**	**0.098**						
31-May-2016		**0.090**	**0.100**						

(Block 8 Foundation)

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

Monitoring Check Pts.	Trigger Levels		
	Alert level	Alarm level	Action level
Vibrating 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 1-Jun-2016 to 30-Jun-2016

POINT		VM11-1#	VM11-2						
DATE	PD/(m)	mm/s	mm/s						
19-Jun-2012 (Initial)		0.13	0.19						
1-Jun-2016		**0.074**	**0.071**						
2-Jun-2016		**0.077**	**0.082**						
3-Jun-2016		**0.074**	**0.064**						
4-Jun-2016		**0.080**	**0.089**						
5-Jun-2016	Sunday								
6-Jun-2016		**0.077**	**0.073**						
7-Jun-2016		**0.074**	**0.083**						
8-Jun-2016		**0.102**	**0.079**						
9-Jun-2016	Holiday								
10-Jun-2016		**0.107**	**0.091**						
11-Jun-2016		**0.105**	**0.089**						
12-Jun-2016	Sunday								
13-Jun-2016		**0.111**	**0.096**						
14-Jun-2016		**0.091**	**0.112**						
15-Jun-2016		**0.093**	**0.120**						
16-Jun-2016		**0.083**	**0.103**						
17-Jun-2016		**0.103**	**0.102**						
18-Jun-2016		**0.105**	**0.096**						
19-Jun-2016	Sunday								
20-Jun-2016		**0.114**	**0.118**						
21-Jun-2016		**0.109**	**0.105**						
22-Jun-2016		**0.127**	**0.128**						
23-Jun-2016		**0.118**	**0.105**						
24-Jun-2016		**0.107**	**0.111**						
25-Jun-2016		**0.121**	**0.102**						
26-Jun-2016	Sunday								
27-Jun-2016		**0.113**	**0.121**						
28-Jun-2016		**0.111**	**0.109**						
29-Jun-2016		**0.109**	**0.116**						
30-Jun-2016		**0.101**	**0.117**						

Annex L

Records of Vibration Monitoring for Other Construction Works

Structural Additions and Alterations at Block 11

WYNDHAM STREET

ARBUTHNOT ROAD

Gofield Commercial Building

Hollywood Centre

Hollywood Commercial House

Hollywood Road

Ezra's Lane

Hu Fook Building

Wing Lee Building

Old Bailey Street

Central Police Station

Victoria Prison

The Centrum

Shiu King Court

Hew Tinde House

Chancery Mansion

Chancery House

Tung Yuen Building

Cambridge Villa

Villa Serene

Podium

11SW-B/R17
11SW-B/R18
11SW-B/R22
11SW-B/R805
11SW-B/R806
11SW-B/R23
11SW-B/R24
11SW-B/R52
11SW-B/R53
11SW-B/R19
11SW-B/R174
11SW-B/R175
11SW-B/R176
11SW-B/R177
11SW-B/R178
11SW-B/R54
11SW-B/R55

RECEIVED by Winning 2012 OCT 2 P 2:55 Buildings Department

E.D. Ref. No. 屋宇署檔案編號	22-3/3066/10/BLK11 (HU) (S1)
F.S.D. Ref. No. 消防處檔案編號	

Revision/Submission 修改及/或發

No. 編號	Description 說明	Date 日期	Approved 獲准
–	BD SUBMISSION (50)	12/11	JS
A	BD SUBMISSION (01)	03/12	JS
B	BD SUBMISSION (17)	03/12	JS
C	BD SUBMISSION RW BATCH 1	03/12	JS
D	FOR INFROMATION (50)	03/12	JS
E	BD SUBMISSION (51)	05/12	JS
F	BD SUBMISSION (04)	05/12	JS
G	BD SUBMISSION (03)	05/12	JS
H	BD SUBMISSION (14)	05/12	JS
J	BD SUBMISSION RW BATCH 2	06/12	JS
K	BD SUBMISSION (05&07)	07/12	JS
L	BD SUBMISSION (01)(H2)	07/12	JS
M	BD SUBMISSION (11)	07/12	JS

Plan Approved
CHIONG Kam-yuen, Jacky
Chief Structural Engineer
for BUILDING AUTHORITY
– 3 OCT 2012

Key Plan 索引圖

BD SUBMISSION
Drawing Status 製圖狀況

Client 業主
賽馬會文物保育有限公司
The Jockey Club CP Limited

Design Consultant
HERZOG & DE MEURON

Conservation Architect

Executive Architect / AP
ROCCO

Structural Engineer / RSE
ARUP

E & M Engineer
JRP

Project 項目
CENTRAL POLICE STATION CONSERVATION AND REVITALISATION PROJECT

Drawing Title 圖名
MONITORING LAYOUT PLAN

Scale 比例	Drawn 繪圖	Checked 校對
1:300@A1	K.C.Lai	AL
Drawing No. 圖號		Revision 修改版
00-0AP209674-G-001		M

LEGEND

- EXISTING FRESH WATER MAIN
- EXISTING SALT WATER MAIN
- EXISTING STREET LIGHTING NO. 33488-A1
- EXISTING STREET LIGHTING CABLE
- EXISTING GAS MAIN
- EXISTING HV ELECTRICITY CABLE
- EXISTING LV ELECTRICITY CABLE
- EXISTING TELECOMMUNICATION DUCT (HUTCHISON GLOBAL COMMUNICATIONS LIMITED)
- EXISTING STORMWATER DRAIN
- EXISTING FOUL SEWER
- PROPOSED FOUL SEWER
- SITE BOUNDARY
- EXISTING RETAINING WALL
- DH1(S,P) EXISTING DRILLHOLE WITH STANDPIPE/PIEZOMETER
- BS1-1/BT1-1 PROPOSED BUILDING SETTLEMENT POINTS/TILTMETER
- RS174-1/RT174-1 PROPOSED RETAINING WALL SETTLEMENT POINTS/TILTMETER
- IN1-1 PROPOSED INCLINOMETER TO BE BUILT IN BORED PILE WALL OR PIPE PILE WALL
- GS1 PROPOSED GROUND SETTLEMENT POINTS
- UT1 PROPOSED UTILITY MONITORING POINTS
- VM1-1 PROPOSED VIBRATION MONITORING POINTS
- ADH1(S/P) PROPOSED ADDITIONAL DRILLHOLE

Cad file : 00-0AP209674-G-001.dwg

Vibration Monitoring Record (November)

	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
01-Nov-15	Sunday	
02-Nov-15	**0.101**	**0.105**
03-Nov-15	**0.107**	**0.102**
04-Nov-15	**0.103**	**0.107**
05-Nov-15	**0.109**	**0.105**
06-Nov-15	**0.102**	**0.105**
07-Nov-15	**0.102**	**0.103**
08-Nov-15	Sunday	
09-Nov-15	**0.105**	**0.109**
10-Nov-15	**0.102**	**0.109**
11-Nov-15	**0.100**	**0.106**
12-Nov-15	**0.105**	**0.104**
13-Nov-15	**0.106**	**0.109**
14-Nov-15	**0.107**	**0.102**
15-Nov-15	Sunday	
16-Nov-15	**0.106**	**0.115**
17-Nov-15	**0.103**	**0.104**
18-Nov-15	**0.101**	**0.107**
19-Nov-15	**0.110**	**0.112**
20-Nov-15	**0.098**	**0.114**
21-Nov-15	**0.103**	**0.106**
22-Nov-15	Sunday	
23-Nov-15	**0.101**	**0.103**
24-Nov-15	**0.098**	**0.105**
25-Nov-15	**0.106**	**0.107**
26-Nov-15	**0.108**	**0.105**
27-Nov-15	**0.101**	**0.107**
28-Nov-15	**0.104**	**0.109**
29-Nov-15	Sunday	
30-Nov-15	**0.102**	**0.109**

Vibration Monitoring Record (December)

	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
01-Dec-15	**0.105**	**0.101**
02-Dec-15	**0.103**	**0.107**
03-Dec-15	**0.103**	**0.108**
04-Dec-15	**0.099**	**0.101**
05-Dec-15	**0.106**	**0.101**
06-Dec-15	Sunday	
07-Dec-15	**0.101**	**0.109**
08-Dec-15	**0.103**	**0.104**
09-Dec-15	**0.105**	**0.107**
10-Dec-15	**0.103**	**0.109**
11-Dec-15	**0.103**	**0.107**
12-Dec-15	**0.104**	**0.103**
13-Dec-15	Sunday	
14-Dec-15	**0.099**	**0.107**
15-Dec-15	**0.112**	**0.109**
16-Dec-15	**0.103**	**0.105**
17-Dec-15	**0.103**	**0.108**
18-Dec-15	**0.103**	**0.106**
19-Dec-15	**0.108**	**0.108**
20-Dec-15	Sunday	
21-Dec-15	**0.101**	**0.109**
22-Dec-15	**0.103**	**0.109**
23-Dec-15	**0.101**	**0.107**
24-Dec-15	**0.094**	**0.104**
25-Dec-15	Holiday	
26-Dec-15	Holiday	
27-Dec-15	Sunday	
28-Dec-15	**0.101**	**0.106**
29-Dec-15	**0.110**	**0.105**
30-Dec-15	**0.106**	**0.113**
31-Dec-15	**0.103**	**0.107**

Vibration Monitoring Record (Janaury 2016)

	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
01-Jan-16	Holiday	
02-Jan-16	**0.103**	**0.105**
03-Jan-16	Sunday	
04-Jan-16	**0.101**	**0.107**
05-Jan-16	**0.103**	**0.107**
06-Jan-16	**0.102**	**0.109**
07-Jan-16	**0.096**	**0.094**
08-Jan-16	**0.109**	**0.102**
09-Jan-16	**0.101**	**0.102**
10-Jan-16	Sunday	
11-Jan-16	**0.105**	**0.109**
12-Jan-16	**0.102**	**0.104**
13-Jan-16	**0.101**	**0.107**
14-Jan-16	**0.106**	**0.106**
15-Jan-16	**0.103**	**0.115**
16-Jan-16	**0.105**	**0.110**
17-Jan-16	Sunday	
18-Jan-16	**0.101**	**0.106**
19-Jan-16	**0.103**	**0.118**
20-Jan-16	**0.095**	**0.104**
21-Jan-16	**0.100**	**0.107**
22-Jan-16	**0.102**	**0.109**
23-Jan-16	**0.099**	**0.102**
24-Jan-16	Sunday	
25-Jan-16	**0.106**	**0.101**
26-Jan-16	**0.100**	**0.105**
27-Jan-16	**0.107**	**0.112**
28-Jan-16	**0.110**	**0.106**
29-Jan-16	**0.102**	**0.105**
30-Jan-16	**0.105**	**0.103**
31-Jan-16	Sunday	

Vibration Monitoring Record (February)

	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
01-Feb-16	**0.109**	**0.101**
02-Feb-16	**0.105**	**0.103**
03-Feb-16	**0.102**	**0.109**
04-Feb-16	**0.103**	**0.106**
05-Feb-16	**0.094**	**0.105**
06-Feb-16	**0.087**	**0.100**
07-Feb-16	Sunday	
08-Feb-16	Holiday	
09-Feb-16	Holiday	
10-Feb-16	Holiday	
11-Feb-16	**0.052**	**0.070**
12-Feb-16	**0.059**	**0.061**
13-Feb-16	**0.067**	**0.082**
14-Feb-16	Sunday	
15-Feb-16	**0.098**	**0.103**
16-Feb-16	**0.100**	**0.108**
17-Feb-16	**0.105**	**0.107**
18-Feb-16	**0.101**	**0.106**
19-Feb-16	**0.103**	**0.105**
20-Feb-16	**0.107**	**0.109**
21-Feb-16	Sunday	
22-Feb-16	**0.105**	**0.100**
23-Feb-16	**0.103**	**0.107**
24-Feb-16	**0.101**	**0.105**
25-Feb-16	**0.106**	**0.114**
26-Feb-16	**0.097**	**0.101**
27-Feb-16	**0.102**	**0.106**
28-Feb-16	Sunday	
29-Feb-16	**0.105**	**0.102**

Vibration Monitoring Record (March)

	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
01-Mar-16	**0.103**	**0.100**
02-Mar-16	**0.109**	**0.100**
03-Mar-16	**0.106**	**0.104**
04-Mar-16	**0.103**	**0.100**
05-Mar-16	**0.109**	**0.105**
06-Mar-16	Sunday	
07-Mar-16	**0.106**	**0.100**
08-Mar-16	**0.102**	**0.097**
09-Mar-16	**0.107**	**0.102**
10-Mar-16	**0.104**	**0.107**
11-Mar-16	**0.105**	**0.097**
12-Mar-16	**0.103**	**0.103**
13-Mar-16	Sunday	
14-Mar-16	**0.105**	**0.100**
15-Mar-16	**0.107**	**0.103**
16-Mar-16	**0.104**	**0.106**
17-Mar-16	**0.109**	**0.100**
18-Mar-16	**0.114**	**0.102**
19-Mar-16	**0.105**	**0.097**
20-Mar-16	Sunday	
21-Mar-16	**0.109**	**0.095**
22-Mar-16	**0.103**	**0.100**
23-Mar-16	**0.116**	**0.102**
24-Mar-16	**0.104**	**0.105**
25-Mar-16	Holiday	
26-Mar-16	Holiday	
27-Mar-16	Sunday	
28-Mar-16	Holiday	
29-Mar-16	**0.105**	**0.109**
30-Mar-16	**0.108**	**0.111**
31-Mar-16	**0.103**	**0.102**

Vibration Monitoring Record (April)

	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
01-Apr-16	**0.109**	**0.100**
02-Apr-16	**0.103**	**0.092**
03-Apr-16	Sunday	
04-Apr-16	Holiday	
05-Apr-16	**0.107**	**0.100**
06-Apr-16	**0.102**	**0.095**
07-Apr-16	**0.100**	**0.104**
08-Apr-16	**0.102**	**0.107**
09-Apr-16	**0.109**	**0.102**
10-Apr-16	Sunday	
11-Apr-16	**0.102**	**0.105**
12-Apr-16	**0.109**	**0.102**
13-Apr-16	**0.105**	**0.102**
14-Apr-16	**0.107**	**0.101**
15-Apr-16	**0.103**	**0.107**
16-Apr-16	**0.106**	**0.102**
17-Apr-16	Sunday	
18-Apr-16	**0.105**	**0.100**
19-Apr-16	**0.101**	**0.103**
20-Apr-16	**0.109**	**0.110**
21-Apr-16	**0.103**	**0.100**
22-Apr-16	**0.106**	**0.097**
23-Apr-16	**0.106**	**0.102**
24-Apr-16	Sunday	
25-Apr-16	**0.105**	**0.100**
26-Apr-16	**0.103**	**0.100**
27-Apr-16	**0.110**	**0.102**
28-Apr-16	**0.106**	**0.105**
29-Apr-16	**0.103**	**0.101**
30-Apr-16	**0.107**	**0.100**

Vibration Monitoring Record (May 2016)

	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
01-May-16	Holiday	
02-May-16	Holiday	
03-May-16	**0.109**	**0.100**
04-May-16	**0.105**	**0.094**
05-May-16	**0.101**	**0.099**
06-May-16	**0.103**	**0.103**
07-May-16	**0.106**	**0.109**
08-May-16	Sunday	
09-May-16	**0.102**	**0.103**
10-May-16	**0.108**	**0.102**
11-May-16	**0.105**	**0.099**
12-May-16	**0.107**	**0.105**
13-May-16	**0.110**	**0.105**
14-May-16	Holiday	
15-May-16	Sunday	
16-May-16	**0.103**	**0.107**
17-May-16	**0.109**	**0.102**
18-May-16	**0.102**	**0.103**
19-May-16	**0.102**	**0.107**
20-May-16	**0.105**	**0.099**
21-May-16	**0.108**	**0.103**
22-May-16	Sunday	
23-May-16	**0.102**	**0.106**
24-May-16	**0.100**	**0.107**
25-May-16	**0.103**	**0.102**
26-May-16	**0.105**	**0.105**
27-May-16	**0.101**	**0.101**
28-May-16	**0.102**	**0.106**
29-May-16	Sunday	
30-May-16	**0.076**	**0.098**
31-May-16	**0.090**	**0.100**

Vibration Monitoring Record (June 2016)

	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
01-Jun-16	**0.074**	**0.071**
02-Jun-16	**0.077**	**0.082**
03-Jun-16	**0.074**	**0.064**
04-Jun-16	**0.080**	**0.089**
05-Jun-16	Sunday	
06-Jun-16	**0.077**	**0.073**
07-Jun-16	**0.074**	**0.083**
08-Jun-16	**0.102**	**0.079**
09-Jun-16	Holiday	
10-Jun-16	**0.107**	**0.091**
11-Jun-16	**0.105**	**0.089**
12-Jun-16	Sunday	
13-Jun-16	**0.111**	**0.096**
14-Jun-16	**0.091**	**0.112**
15-Jun-16	**0.093**	**0.120**
16-Jun-16	**0.083**	**0.103**
17-Jun-16	**0.103**	**0.102**
18-Jun-16	**0.105**	**0.096**
19-Jun-16	Sunday	
20-Jun-16	**0.114**	**0.118**
21-Jun-16	**0.109**	**0.105**
22-Jun-16	**0.127**	**0.128**
23-Jun-16	**0.118**	**0.105**
24-Jun-16	**0.107**	**0.111**
25-Jun-16	**0.121**	**0.102**
26-Jun-16	Sunday	
27-Jun-16	**0.113**	**0.121**
28-Jun-16	**0.111**	**0.109**
29-Jun-16	**0.109**	**0.116**
30-Jun-16	**0.101**	**0.117**

Vibration Monitoring Record (July)

	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
01-Jul-16	Holiday	
02-Jul-16	**0.107**	**0.122**
03-Jul-16	Sunday	
04-Jul-16	**0.111**	**0.107**
05-Jul-16	**0.132**	**0.105**
06-Jul-16	**0.135**	**0.117**
07-Jul-16	**0.110**	**0.104**
08-Jul-16	**0.103**	**0.108**
09-Jul-16	**0.121**	**0.117**
10-Jul-16	Sunday	
11-Jul-16	**0.109**	**0.103**
12-Jul-16	**0.111**	**0.107**
13-Jul-16	**0.118**	**0.120**
14-Jul-16	**0.120**	**0.126**
15-Jul-16	**0.127**	**0.109**
16-Jul-16	**0.109**	**0.097**
17-Jul-16	Sunday	
18-Jul-16	**0.111**	**0.112**
19-Jul-16	**0.119**	**0.106**
20-Jul-16	**0.123**	**0.112**
21-Jul-16	**0.107**	**0.102**
22-Jul-16	**0.118**	**0.109**
23-Jul-16	**0.103**	**0.113**
24-Jul-16	Sunday	
25-Jul-16	**0.119**	**0.099**
26-Jul-16	**0.113**	**0.108**
27-Jul-16	**0.100**	**0.102**
28-Jul-16	**0.117**	**0.100**
29-Jul-16	**0.109**	**0.102**
30-Jul-16	**0.111**	**0.106**
31-Jul-16	Sunday	

Vibration Monitoring Record (August)

	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
01-Aug-16	**0.132**	**0.111**
02-Aug-16	Typhoon Signal No.8	
03-Aug-16	**0.112**	**0.126**
04-Aug-16	**0.130**	**0.108**
05-Aug-16	**0.116**	**0.112**
06-Aug-16	**0.125**	**0.109**
07-Aug-16	Sunday	
08-Aug-16	**0.109**	**0.103**
09-Aug-16	**0.106**	**0.111**
10-Aug-16	**0.118**	**0.109**
11-Aug-16	**0.110**	**0.111**
12-Aug-16	**0.135**	**0.102**
13-Aug-16	**0.107**	**0.109**
14-Aug-16	Sunday	
15-Aug-16	**0.120**	**0.103**
16-Aug-16	**0.107**	**0.101**
17-Aug-16	**0.116**	**0.109**
18-Aug-16	**0.108**	**0.100**
19-Aug-16	**0.111**	**0.103**
20-Aug-16	**0.117**	**0.106**
21-Aug-16	Sunday	
22-Aug-16	**0.109**	**0.109**
23-Aug-16	**0.127**	**0.102**
24-Aug-16	**0.114**	**0.105**
25-Aug-16	**0.106**	**0.108**
26-Aug-16	**0.113**	**0.125**
27-Aug-16	**0.112**	**0.121**
28-Aug-16	Sunday	
29-Aug-16	**0.106**	**0.102**
30-Aug-16	**0.115**	**0.108**
31-Aug-16	**0.112**	**0.095**

Vibration Monitoring Record (September)

	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
01-Sep-16	**0.106**	**0.113**
02-Sep-16	**0.128**	**0.102**
03-Sep-16	**0.119**	**0.117**
04-Sep-16	Sunday	
05-Sep-16	**0.107**	**0.103**
06-Sep-16	**0.103**	**0.101**
07-Sep-16	**0.107**	**0.105**
08-Sep-16	**0.103**	**0.112**
09-Sep-16	**0.116**	**0.103**
10-Sep-16	**0.105**	**0.104**
11-Sep-16	Sunday	
12-Sep-16	**0.127**	**0.102**
13-Sep-16	**0.109**	**0.104**
14-Sep-16	**0.115**	**0.107**
15-Sep-16	**0.107**	**0.102**
16-Sep-16	Holiday	
17-Sep-16	**0.104**	**0.101**
18-Sep-16	Sunday	
19-Sep-16	**0.109**	**0.108**
20-Sep-16	**0.112**	**0.104**
21-Sep-16	**0.107**	**0.105**
22-Sep-16	**0.108**	**0.099**
23-Sep-16	**0.110**	**0.102**
24-Sep-16	**0.106**	**0.103**
25-Sep-16	Sunday	
26-Sep-16	**0.112**	**0.095**
27-Sep-16	**0.107**	**0.093**
28-Sep-16	**0.105**	**0.107**
29-Sep-16	**0.112**	**0.101**
30-Sep-16	**0.127**	**0.103**

Vibration Monitoring Record (October)

	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
01-Oct-16	Holiday	
02-Oct-16	Sunday	
03-Oct-16	**0.106**	**0.099**
04-Oct-16	**0.109**	**0.103**
05-Oct-16	**0.105**	**0.105**
06-Oct-16	**0.107**	**0.110**
07-Oct-16	**0.106**	**0.103**
08-Oct-16	**0.102**	**0.101**
09-Oct-16	Sunday	
10-Oct-16	Holiday	
11-Oct-16	**0.106**	**0.107**
12-Oct-16	**0.106**	**0.103**
13-Oct-16	**0.114**	**0.103**
14-Oct-16	**0.108**	**0.109**
15-Oct-16	**0.107**	**0.092**
16-Oct-16	Sunday	
17-Oct-16	**0.112**	**0.104**
18-Oct-16	**0.102**	**0.099**
19-Oct-16	**0.108**	**0.103**
20-Oct-16	**0.110**	**0.105**
21-Oct-16	Typhoon No.8	
22-Oct-16	**0.104**	**0.101**
23-Oct-16	Sunday	
24-Oct-16	**0.102**	**0.094**
25-Oct-16	**0.107**	**0.103**
26-Oct-16	**0.124**	**0.105**
27-Oct-16	**0.106**	**0.108**
28-Oct-16	**0.104**	**0.114**
29-Oct-16	**0.107**	**0.105**
30-Oct-16	Sunday	
31-Oct-16	**0.126**	**0.108**

Annex M

Summary of Key Findings of Monthly Cultural Heritage Site Audits, Non-compliance Reports and Condition of Character Defining Elements, Historic Buildings and Structures

Annex M1

A Summary of Key Findings of Monthly Cultural Heritage Site Audits

Annex M1 – Summary of Key Findings and Recommendations during the Monthly Site Audits

Date of Audit	Comments / Remarks
3-6, 9-13, 16-20, 23-24, 30 November 2015	• It was observed that door opening was formed without installation of lintel at Block 9 large courtroom. The Contractor was informed to follow up. • Lack of protection was observed to the building fabric at Magistracy Terrace (West) and B Hall Yard during excavation. The Contractor was informed to follow up. • It was observed that granite steps at the Magistracy Terrace (West) were damaged during excavation. The Contractor was informed to follow up.
1-4, 7-11, 16-17, 21-23, 28-31 December 2015	• It was observed that the installed vent pipe height at rooftop of Block 13 was not in accordance with the approved drawings. The Contractor was informed to follow up. • It was observed that the roof slab at Block 13 was drilled through during E&M installation on the roof, causing water ingress. The Contractor was informed to follow up. • It was observed that the timber door ironmongery was installed incorrectly at ground floor of Block 1. The Contractor was informed to follow up. • It was observed that trunking at the staircase of Block 11 was not installed in accordance with the approved drawings. The Contractor was informed to follow up. • It was observed that the new metal doors between Block 8 and Block 11 were not installed at the correct location in accordance with the approved drawings. The Contractor was informed to follow up. • It was observed that three hose reels have been installed at the incorrect level at ground and first floor of Block 8. The Contractor was informed to follow up.
4-8, 12-15, 18-19, 22, 25-29 January 2016	• Various exit signs, conduits, alarm bells and flashing lights in Block 14 have been installed incorrectly. The Contractor was informed to follow up. • Fire damper to duct in Block 13 was observed not installed according to fire compartment shown on approved drawings. The Contractor was informed to follow up. • It was observed that the external lighting to south elevation of Block 7 was installed at incorrect location. The Contractor was informed to follow up. • It was observed that a number of lights in fire rated ceiling in Block 1 were installed without fire rated backing. The Contractor was informed to follow up. • Lack of protection to north elevation Shanghai plaster in Block 2 was observed while removing the wall for the link bridge.

Date of Audit	Comments / Remarks
	The Contractor was informed to follow up. • Water ingress at ground floor of Block 9 was observed. The Contractor was informed to follow up.
2-5, 11-12, 17-19, 22-26 February 2016	• Inappropriate pipework and fixing were observed at Block 3 verandah. The Contractor was informed to follow up. • It was observed that eight hose reels were installed on incorrect levels at Block 3 verandah. The Contractor was informed to follow up. • It was observed that the existing paint on metal bars and mesh on the window at Block 9 holding cell were removed incorrectly. The Contractor was informed to follow up. • Defects on doors at Block 11 were observed. The Contractor was informed to follow up. • The original timber floorboards at Bock 19 were found missing. The Contractor was informed to follow up. • It was observed that the structural repairs to brickwork has not commenced prior to E&M installation in Room 14/G/33 at Block 14. The Contractor was informed to follow up.
1-4, 7-11, 14-18, 24-25, 31 March 2016	• It was observed that the historic timber boarded ceiling on third floor of Block 3 was placed on the ground without sufficient protection with damage observed on the boards. The Contractor was informed to follow up. • • Two fanlight windows at south elevation of Block 1 were observed not in accordance with the design drawing. The Contractor was informed to follow up. • A vent pipe was observed 2m above the roof level which was not in accordance with the contract drawing. The Contractor was informed to follow up. • Deficiency for the construction of the new concrete parapet on rooftop of Block 10 was observed. The Contractor was informed to follow up. • It was observed that a piling rig at Old Bailey Street overturned and leaned on Block 1. Scratches were observed on the west elevation facing brickwork. The Contractor was informed to follow up. • Cement grout spillage on the brickwork under the new external staircase at south elevation of Block 7 was observed. The Contractor was informed to follow up. • It was observed that the existing metal bars at windows 03/G/47 and 03/G/48 on ground floor of Block 3 were missing. The Contractor was informed to follow up.
1, 5-8, 12-15, 18-21,	• It was observed that the balustrade of Block 11 was not built in accordance with the approved shop drawings. The

Date of Audit	Comments / Remarks
25-29 April 2016	Contractor was informed to follow up. • Brickwork from the brickwork vault on the lower ground floor of Block 14 was removed which exposed the tie bars embedded within the brickwork vault. This work was not instructed and considered not necessary which caused the damage to the existing building fabric. The Contractor was informed to follow up. • It was observed that roof waterproofing paint on the lantern on Block 14 rooftop was in poor workmanship. The Contractor was informed to follow up. • It was observed that the platform lift and frame was installed without finishes to the walls at Block 10. The Contractor was informed to follow up. • No protection was provided to the newly installed metal windows at north elevation of Block 14. Windows were observed damaged. The Contractor was informed to follow up. • It was observed that the mortar infill to fire place in room 03/G/03 and procedure of forming opening 03/OP-G/32 at Block 3 Visitor Centre were inappropriate. The Contractor was informed to follow up. • Poor workmanship of bead blast window cladding and metal bar decoration was observed at north elevation of Block 14. The Contractor was informed to follow up.
5, 10-11,13, 16, 18, 20, 24-25, 29 May 2016	• Lack of protection to existing buildings was observed in general during all site inspections in May 2016. The Contractor was informed to follow up. • Plenty of cigarette butts were found on site during all site inspections in May 2016. The Contractor was notified and all workers should be reminded that smoking is not permitted within buildings. • At around 10:05pm, the northwest corner of Block 4 partially collapsed. The collapsed area includes northwest corner roof, west elevation façade wall, north elevation façade wall west part, 1/F and 2/F verandah west part, 2/F west balcony, floor structure in room 04/5/03. Site activities have temporarily been suspended following the incident. Temporary propping is being undertaken to prevent further collapse. Reviews are currently undertaken.
6-9, 13-17, 20-24, 27-29 June 2016	• Site works to historic buildings have been suspended in June 2016 following the partial collapse of the northwest corner of Block 4. The loose and unsafe structure of Block 4 has been removed. Site works within new buildings (Old Bailey Wing and Arbuthnot Wing) have resumed on 20 June 2016.
5, 13-15, 18, 21-22, 28 July 2016	• Following the partial collapse of the northwest corner of Block 4, construction works have resumed except for Block 3, 6 to 11, 13, 14 and 19 in July 2016. The loose and unsafe structure of Block 4 has been removed. • Five casement at window 15/WS/14 were observed missing. The Contractor was informed to follow up.

Date of Audit	Comments / Remarks
	• Windows were painted in wrong colour at Block 12 east and west elevation. The Contractor was informed to follow up. • Excessive paint/cement was observed on the louvre blades at Block 12 roof glass louvre. The Contractor was informed to follow up. • Paint drips were observed on facing brickwork at Block 12. The Contractor was informed to follow up. Inappropriate protection measures were applied on the painted sign at the Pottinger Ramp revetment wall. The Contractor was informed to follow up.
2, 4, 8-12, 17-18, 23-25, 29-31 August 2016	• Lack of preparation was observed prior to the repair of Block 1 Staircase 01/ST01. The Contractor was informed to follow up. • Improvement was required for the workmanship of metal bar installation on 1/F of Block 11. The Contractor was informed to follow up. • It was observed that the infill to one opening was incorrectly removed at north elevation of Block 14. The Contractor was informed to follow up.
1-2, 5-7, 13-14 September 2016	• There were no major observations and recommendations related to cultural heritage issues from the Heritage Checker during the site inspections conducted in September 2016.
4-7, 12-14, 18-19, 24-28 October 2016	• It was observed that inappropriate tool was used to remove plaster causing damage to the brickwork at 2/F of Block 10. The Contractor was informed to follow up. • Damaged hinges to the casement window was observed on 2/F of Block 13. The Contractor was informed to follow up. • Rainwater pipe at north elevation of Block 16 was observed not installed in accordance with the approved shop drawings. The Contractor was informed to follow up. • Defective paint and rusting metalwork were observed at east balcony of Block 6. The Contractor was informed to follow up. • Defective paint work was observed at the 2/F balcony of Block 7, Rooms 03/F/01 and 03/F/31 on 1/F of Block 3. The Contractor was informed to follow up. • It was observed that handrail from Block 10 staircase was not properly labelled or stored. The Contractor was informed to follow up. • Lack of protection to the timber doors at Block 1 was observed. The Contractor was reminded to provide adequate protection to the timber doors. • Existing ironworks at north elevation of Block 6 and bridge of Block 3-8 was observed not properly labelled or stored. The Contractor was informed to follow up.

Date of Audit	Comments / Remarks
	• Lack of protection to glazed tiled wall and tiled floor was observed at LG1 and LG2 of Block 1. The Contractor was informed to follow up. • Lack of protection to the timber floor at 1/F of Block 6 was observed. The Contractor was reminded to provide adequate protection to the timber floor. • Debris was observed on the toilet tiles at Block 7. The Contractor was reminded to remove the tiles and provide sufficient protection. • It was observed that there was no protection to painted signs at east elevation of Block 7, ground floor of Block 9, Block 3 staircase and Block 4 near Pottinger Ramp. The Contractor was reminded to provide sufficient protection to the painted signs. • No protection to glazed tiles was observed at ground floor lobby of Block 9. The Contractor was reminded to provide sufficient protection to the glazed tiles. • No protection to glazed tiles was observed at ground floor lobby of Block 9. The Contractor was reminded to provide sufficient protection to the glazed tiles. • It was observed that there was no temporary downpipe connecting to the unfinished rainwater pipe outlet. The Contractor was informed to follow up. • Cigarette butt was observed on 1/F of Block 3. The Contractor should provide reminder to workers that smoking is not permitted within buildings.

Annex M2

Non-compliance Reports

This Site Memorandum confirms a variation of the Works following oral instructions, an inspection of site operations or the issuance of new or revised documents for construction. Unless stated otherwise, it shall be treated as an Instruction to carry out works as authorised by Architects Instruction F-620 dated 12 March 2014. Where applicable, it includes provision for distribution to all relevant members of the client/design/construction team and the Antiquities and Monuments Office.	**Site Memorandum No. 773** **Date:** 7th December 2015
To: Gammon Construction Limited For the attention of: Cliff Leung	
Subject: Non Compliance, Loss of Three Historic Cast Iron Hoppers from Block 3	A.I. no: **Not Applicable**

NON-COMPLIANCE WITH CONTRACT DOCUMENTS

We were informed by the Management Contractor on 7th September, 2015 that some existing historic cast iron hoppers from Block 3 were missing.

We asked the Management Contractor to locate the missing hoppers, however, on 2nd October, 2015, it was confirmed by the Management Contractor that three historic cast iron hoppers (out of six in total) were lost.

Gammon issued a Notification of Sub-standard Performance to the Hsin Chong Aster on 30 September, 2015 (ref. J3416/NSP/WP601/WP603/WP604/088).

The Management Contractor and Works Package Contractors are required to:

1. Review and revise the work practices of the works package contractors and improve the storage procedure of historic fabric.
2. Supervise the work operations to ensure compliance with the Contract Documents.
3. Submit proposals to the Conservation Architect to fabricate three cast iron hoppers to match the existing pattern in like for like materials at neutral cost to the contract.

(Continued overleaf.)

Heritage Impact:
YES, built heritage will be affected: Historic fabric has been lost.

Proposed Mitigation Measures:
Instruct Contractor to comply with Contract Documents. Fabricate three cast iron hoppers to match the existing pattern in like for like materials.

Justification: N/A

Variation: N **Cost implication: N**	**RLB Cost estimate:** HKD Initials: Date:	**JCCPS** approved/rejected Initials: Date:

Copies to:

√	Employer JCCPS	√	Structural Eng Arup		
√	Quantity Surveyor RLB	√	Services Eng JRP	√	Environmental Management ERM
√	Contract Administrator RDA	√	Design Consultant HdM	√	Antiquities & Monuments Office AMO
√	Resident Architect RDA			√	For Purcell

Continuation Page

For information:

No.	Pipe	Swan neck	Hopper	Shoe	Size (dia.)	Length (mm)	With ears	Without ears	Remarks
58			√		Ø100 outlet	N/A	√		
59			√		Ø100 outlet	N/A	√		
60			√		Ø100 outlet	N/A	√		
64			√		Ø100 outlet	N/A	√		
65			√		Ø100 outlet	N/A	√		
66			√		Ø100 outlet	N/A	√		

Above, extract from summary table of Block 3, 6 and 7 rainwater goods by the work package contractor dated 7 October 2014.

Above, extract from summary table of Block 3, 6 and 7 rainwater goods by the work package contractor dated 7 October 2014, showing cast iron hoppers from Block 3.

This Site Memorandum confirms a variation of the Works following oral instructions, an inspection of site operations or the issuance of new or revised documents for construction. Unless stated otherwise, it shall be treated as an Instruction to carry out works as authorised by Architects Instruction F-620 dated 12 March 2014. Where applicable, it includes provision for distribution to all relevant members of the client/design/construction team and the Antiquities and Monuments Office.	**Site Memorandum No. 812** **Date:** 7th December 2015
To: Gammon Construction Limited For the attention of: Cliff Leung	
Subject: Non Compliance, Damage to Existing Granite Steps at West Elevation of Block 9	A.I. no: **Not Applicable**

NON-COMPLIANCE WITH CONTRACT DOCUMENTS

During our site inspection on 5th November 2015, we observed that no protection was provided to the existing granite steps nor the masonry walls during excavation works on Block 9 Magistracy Terrace (West). On the same day, we emailed the Management Contractor to remind protection should be given. However on 23rd November 2015, we observed that improvement had not been made to protect the surrounding building fabric in the said area. We further noticed that the existing granite steps were damaged due to lack of protection.

We asked the Management Contractor to provide sufficient protection to existing building fabric immediately.

Gammon issued a Notification of Sub-standard Performance to Shui Wing on 23rd November 2015 (ref. J3416/NSP/WP108/003).

The Management Contractor and Works Package Contractors are required to:

1. Review and revise the work practices of the works package contractors and ensure sufficient protection has been provided to existing building fabric during site works.
2. Supervise the work operations to ensure compliance with the Contract Documents.
3. Survey the existing condition of the granite steps and bottom part of the masonry wall, assess the extent of damage caused by the site works. Submit survey report and repair proposal to the Conservation Architect at neutral cost to the contract. No works are to be undertaken to rectify the damage without prior approval from the Conservation Architect.

(Continued overleaf.)

Heritage Impact: YES, built heritage will be affected: Historic fabric has been damaged.

Proposed Mitigation Measures:
Instruct Contractor to comply with Contract Documents. Assess extent of damage caused by the site works and propose proposals for rectification.

Justification: N/A

Variation: N **Cost implication: N**	**RLB Cost estimate:** HKD Initials: Date:	**JCCPS** approved/rejected Initials: Date:

Copies to:

√	Employer JCCPS	√	Structural Eng Arup		
√	Quantity Surveyor RLB	√	ServicesEng JRP	√	Environmental Management ERM
√	Contract Administrator RDA	√	Design Consultant HdM	√	Antiquities & Monuments Office AMO
√	Resident Architect RDA			√	For Purcell

Continuation Page

Above, photo taken on 5th November 2015, showing site works on the Magistracy Terrace (West). No protection was provided to the granite steps nor the masonry walls.

(Continued overleaf.)

Continuation Page

Above, photo taken on 23rd November 2015, no improvement had been made to protect the surrounded building fabric.

(Continued overleaf.)

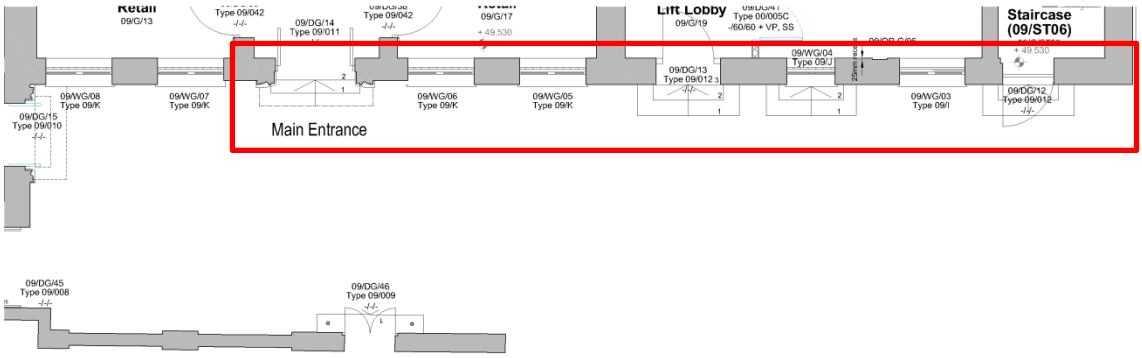
Continuation Page

Above, photograph taken on 26th April 2011, showing granite steps at 09/WG/04. The highlighted area was damaged during site works.

Above, photo taken on 23rd November 2015, showing granite steps at 09/WG/04 damaged by site works.

(Continued overleaf.)

Continuation Page



Area of granite steps and masonry walls to be surveyed.

This Site Memorandum confirms a variation of the Works following oral instructions, an inspection of site operations or the issuance of new or revised documents for construction. Unless stated otherwise, it shall be treated as an Instruction to carry out works as authorised by Architects Instruction F-620 dated 12 March 2014. Where applicable, it includes provision for distribution to all relevant members of the client/design/construction team and the Antiquities and Monuments Office.	**Site Memorandum No. 831** **Date: 4th March 2016**
To: Gammon Construction Limited For the attention of: Cliff Leung	
Subject: Non Compliance, Loss of Existing Fence at Old Bailey Street Entrance	A.I. no: **Not Applicable**

NON-COMPLIANCE WITH CONTRACT DOCUMENTS – LOSS OF HERITAGE FABRIC

During our recent a site inspection, we have observed that the existing fence at Old Bailey Street Entrance is missing.

We asked the Management Contractor to locate the missing fence, however it is believed that the fence has been tipped without permission.

The Management Contractor and Works Package Contractors are required to:

1. Review and revise the work practices of the works package contractors.
2. Supervise the work operations to ensure compliance with the Contract Documents and submit mitigation to enhance precautionary measures.
3. Fabricate new fence as per drawing PMT232888-JC-070-0 in like for like materials at neutral cost to the contract.

(Continued overleaf.)

Heritage Impact:
YES, built heritage will be affected: Historic fabric has been lost.

Proposed Mitigation Measures:
Instruct Contractor to comply with Contract Documents. Fabricate new fence to follow recorded cartographic/ photographic records in like for like materials.

Justification: N/A

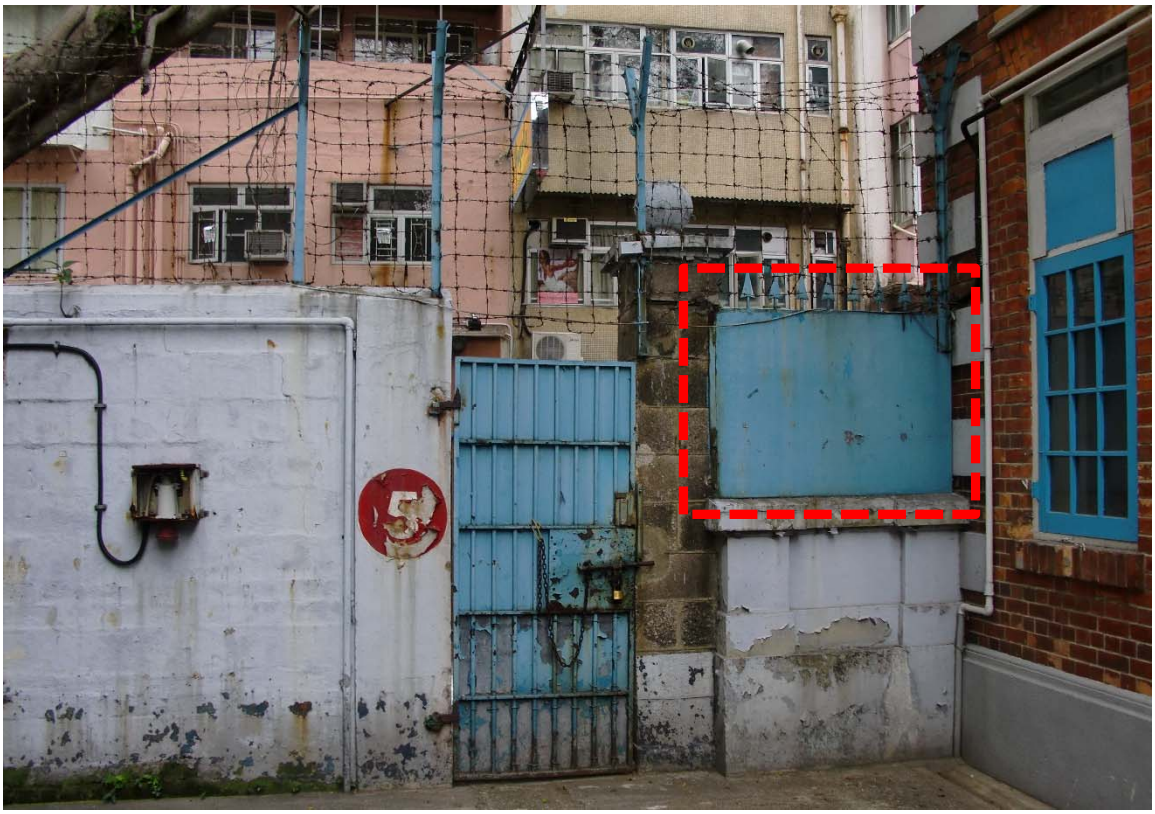
Variation: N **Cost implication: N**	**RLB Cost estimate:** HKD Initials: Date:	**JCCPS** approved/rejected Initials: Date:

Copies to:

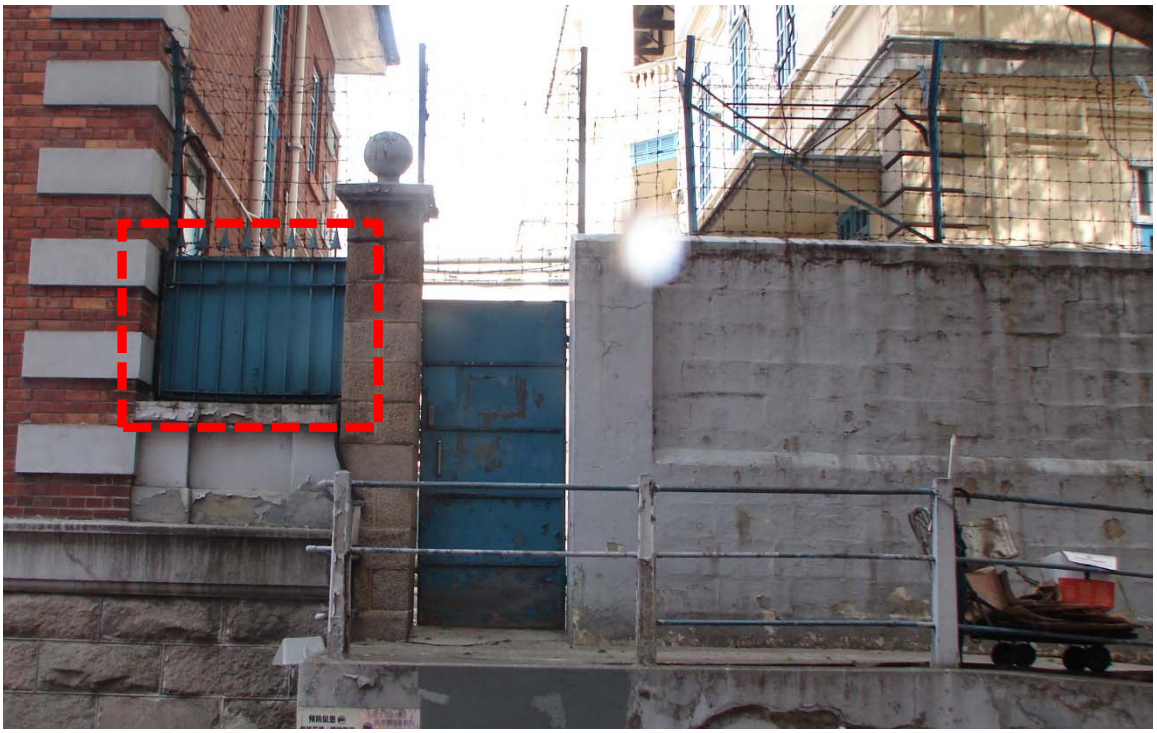
√	Employer JCCPS	√	Structural Eng Arup		
√	Quantity Surveyor RLB	√	Services Eng JRP	√	Environmental Management ERM
√	Contract Administrator RDA	√	Design Consultant HdM	√	Antiquities & Monuments Office AMO
√	Resident Architect RDA			√	For Purcell

Continuation Page

For information:



Above, photograph taken on 2nd February 2010, showing the existing fence south to Block 2.



Above, photograph taken on 11th May 2009, showing the existing fence south to Block 2.

Above, photograph taken on 25th January 2016, showing the fence was missing.

Above, photograph taken on 25th January 2016, showing the balusters of the fence was cut.

This Site Memorandum confirms a variation of the Works following oral instructions, an inspection of site operations or the issuance of new or revised documents for construction. Unless stated otherwise, it shall be treated as an Instruction to carry out works as authorised by Architects Instruction F-620 dated 12 March 2014. Where applicable, it includes provision for distribution to all relevant members of the client/design/construction team and the Antiquities and Monuments Office.	**Site Memorandum No. 842** **Date: 12th February 2016**
To: Gammon Construction Limited For the attention of: Cliff Leung	
Subject: Non-Compliance, Damage to Painted Sign in Block 3	A.I. no: **Not Applicable**

NON-COMPLIANCE WITH CONTRACT DOCUMENTS. HERITAGE FABRIC HAS BEEN DAMAGED

During a site walk on 2nd February 2016, we observed in Room 03/S/08 on Second Floor of Block 3, the protection to the painted sign "NO SPITTING 請勿吐痰" was removed and a conduit was directly fixed on the painted sign.

Further investigation by the Management Contractor reported on 5th February finds that:

- Protection of painted sign was in place before the incident.
- The said surface mounted conduit was for power socket and it was only shown in WP602's shop drawing, this shop drawing had not submitted to the Conservation Architect for approval.
- WP602's worker incorrectly removed the protection to the painted sign and incorrectly installed conduit bracket on the painted sign.

NB. No power socket was required for this location as stated on Site Memo 551 dated 3rd March 2015 by the Conservation Architect.

(Continue over leaf)

Heritage Impact: YES, built/archaeological heritage will be affected (please specify):
Damage has been caused to CDE's.

Proposed Mitigation Measures: YES (please specify):
Instruct Contractor to comply with Contract Documents. Assess extent of damages and submit proposals for rectification.

Justification: N/A

Variation: N **Cost implication: N**	**RLB Cost estimate:** HKD Initials: Date:	**JCCPS** approved/rejected Initials: Date:

Copies to:

√	Employer JCCPS	√	Structural Eng Arup		
√	Quantity Surveyor RLB	√	Services Eng JRP	√	Environmental Management ERM
√	Contract Administrator RDA	√	Design Consultant HdM	√	Antiquities & Monuments Office AMO
√	Resident Architect RDA			√	For Purcell

Continuation Page

The Management Contractor and Works Package Contractors are required to:

1. Review and revise the work practices of the works package contractors.
2. Supervise the work operations to ensure compliance with the Contract Documents.
3. Advise how monitoring procedures are being carried out by the Management Contractor.
4. Assess the extent of any damage and submit proposals to rectify the damage at no cost to the contract. No works are to be undertaken to rectify the damage without prior approval from the Conservation Architect.

Gammon issued a Notification of Sub-standard Performance to Chat Horn on 5th February 2016 (ref. J3416/NSP/WP602/013)

The Management Contractor reported precautionary measures and remedial proposal on 5th February 2016:

a) Thorough check had been carried out for the protection to other existing painted signs;

b) Briefing to Works Contractors' workers and the Management Contractor's frontline staff was conducted on 3-Feb

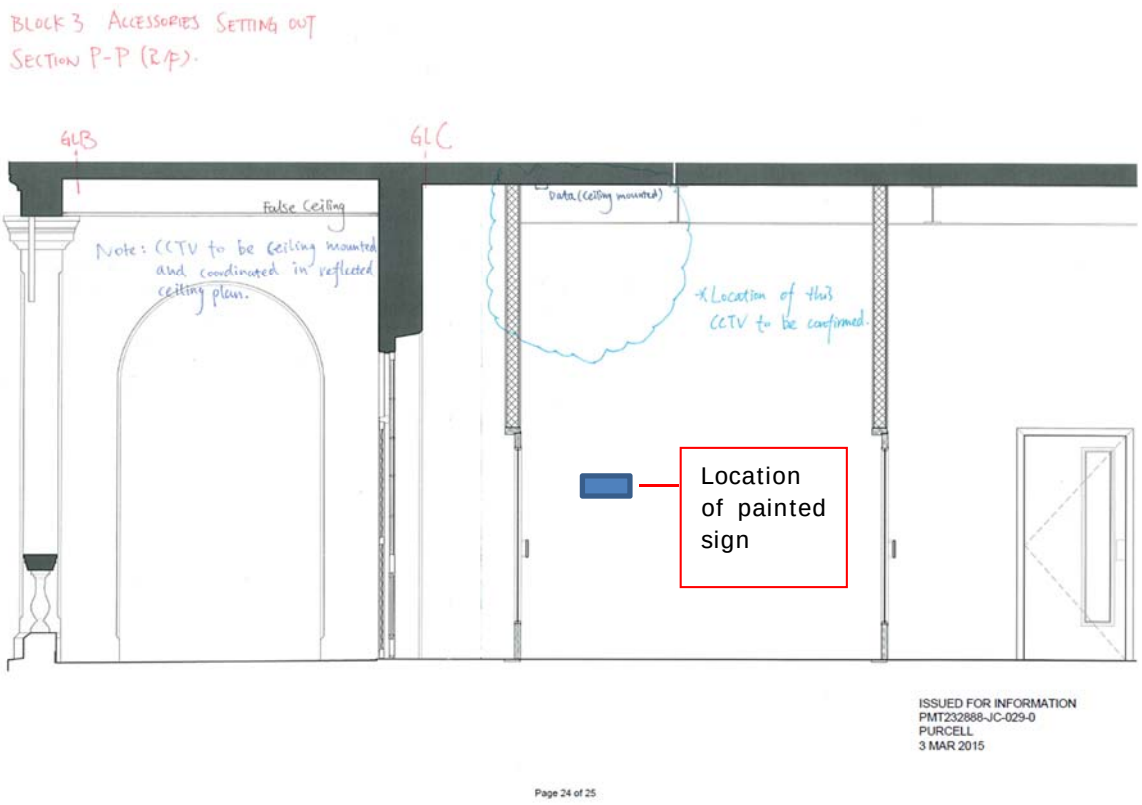
c) The revised setting out of the sockets to be agreed with Purcell and JRP

d) Relocate the conduits according to the revised setting out

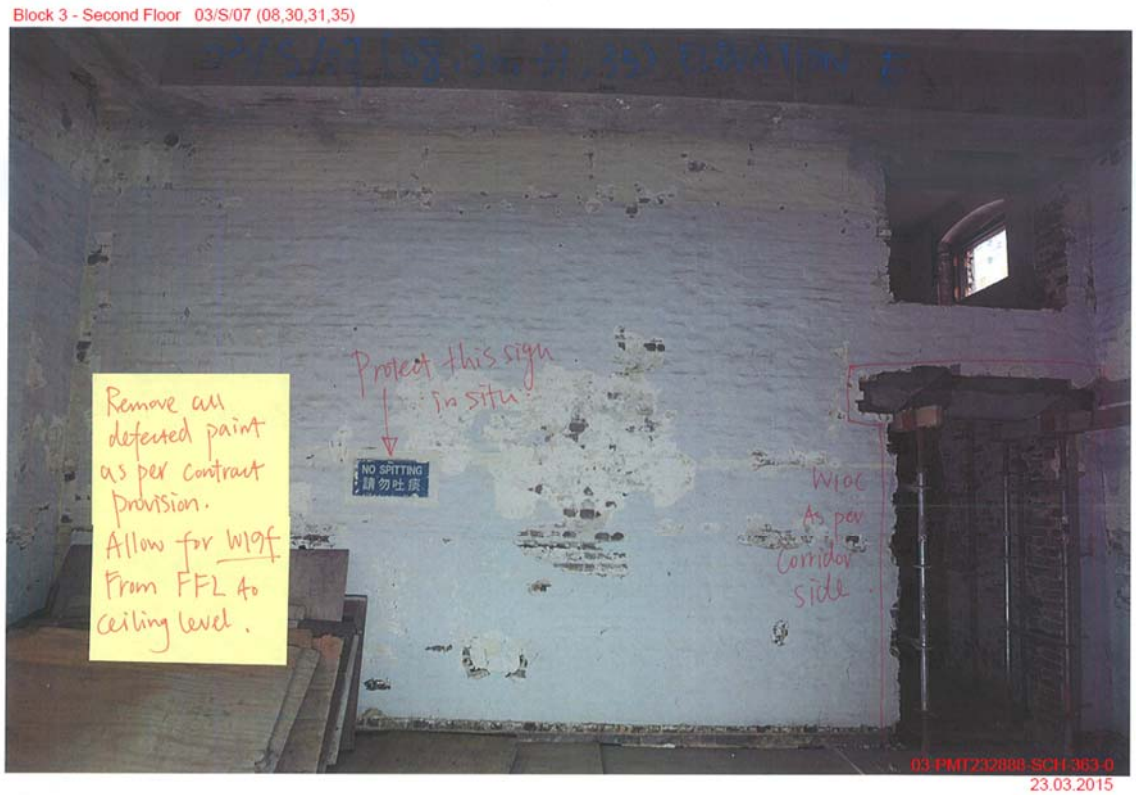
e) Repair to the damaged painted sign (method statement to be submitted separately)

Photo 03-2F-230 General view of the wall (21-3-2012)

Above, photograph dated 21st March 2012, showing the "NO SPITTING 請勿吐痰" painted sign.



Above, E&M accessories setting out drawing produced by the Conservation Architect dated 3rd March 2015, no conduit for power socket was required for the said area.



Above, photograph taken during the internal wall repair survey dated 23rd March 2015, the painted sign “NO SPITTING 請勿吐痰” was protected and strategy “protect this sign in situ” was further confirmed.

Above, photogragh taken on 2nd February 2016, protection to the painted sign “NO SPITTING 請勿吐痰” was removed and a conduit was directly fixed on the painted sign.

This Site Memorandum confirms a variation of the Works following oral instructions, an inspection of site operations or the issuance of new or revised documents for construction. Unless stated otherwise, it shall be treated as an Instruction to carry out works as authorised by Architects Instruction F-620 dated 12 March 2014. Where applicable, it includes provision for distribution to all relevant members of the client/design/construction team and the Antiquities and Monuments Office.	**Site Memorandum No. 848** **Date: 24th February 2016**
To: Gammon Construction Limited For the attention of: Cliff Leung	
Subject: Non-Compliance, Loss of Existing Timber Floorboards, originally from Block 19	A.I. no: **Not Applicable**

NON-COMPLIANCE WITH CONTRACT DOCUMENTS - LOSS OF HERITAGE FABRIC.

The Management Contractor has reported that the original floorboards salvaged from Block 19 are missing and cannot now be located.

Purcell Site Memo No. 101 was issued on 9th September 2013 to instruct the careful removal and reuse of existing 250mm wide timber floor boards. The floorboards were lifted from Block 19 first floor in October 2013 and stored on site in various locations, however, it was reported recently by the Management Contractor that these floorboards were missing and could not be located.

The Management Contractor and Works Package Contractors are required to:

1. Ensure all measures have been fully exhausted to locate the missing floorboards. If floorboards cannot be located within seven days of this notice notify the Conservation Architect and submit mitigation to enhance precautionary measures and supervision.

2. Review and revise the work practices of the works package contractors and improve the labelling and storage procedures of historic fabric.

3. Supervise the work operations to ensure compliance with the Contract Documents.

(Continued overleaf.)

Heritage Impact:
YES, built heritage will be affected: Historic fabric has been lost.

Proposed Mitigation Measures:
Contractor is to comply with the Contract Documents. Ensure all measures have been fully exhausted to locate the missing floorboards. If still cannot be located, submit mitigation to enhance precautionary measures and supervision.

Justification: N/A

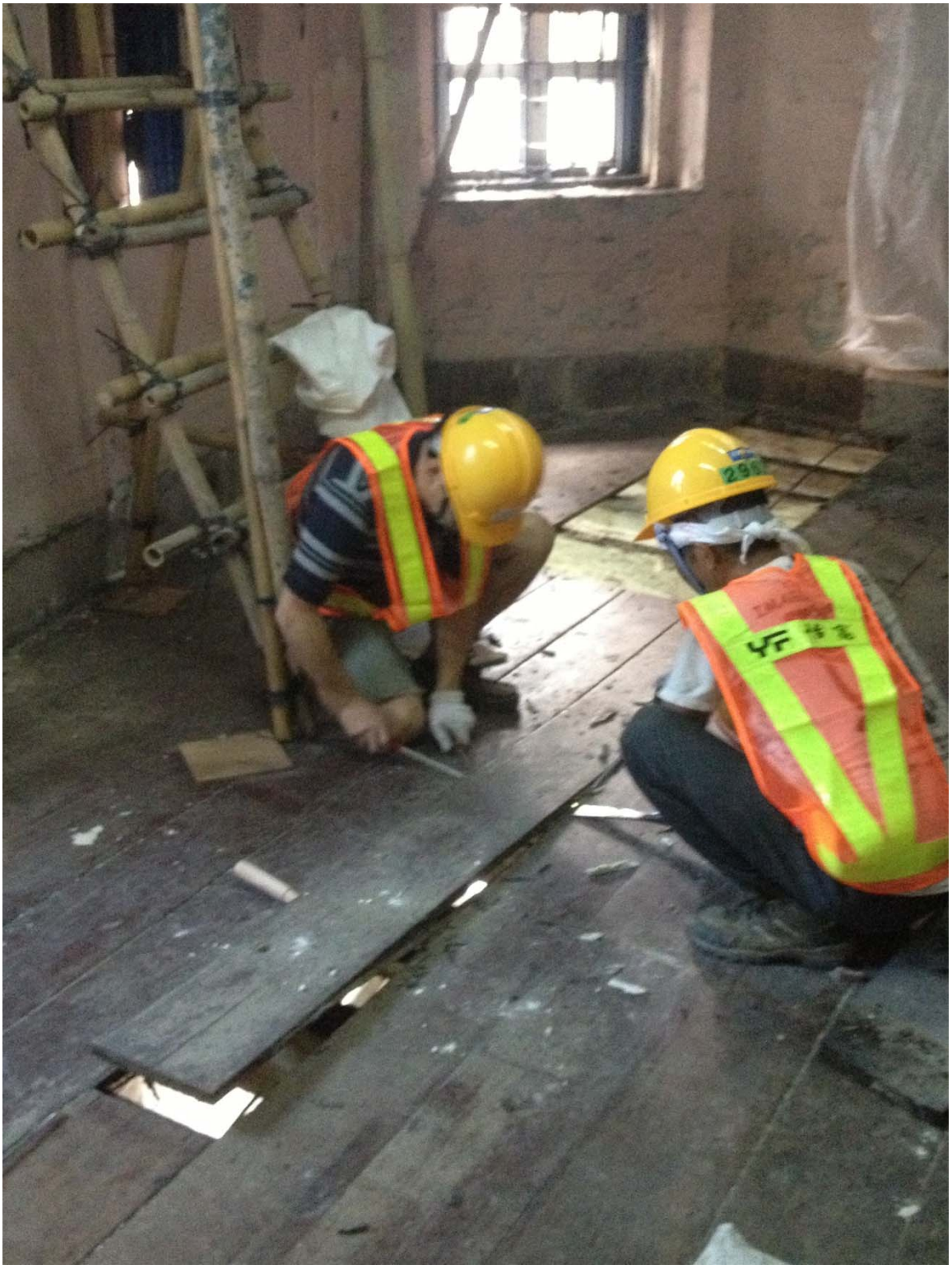
Variation: N **Cost implication: N**	**RLB Cost estimate:** HKD Initials: Date:	**JCCPS** approved/rejected Initials: Date:

Copies to:

√	Employer JCCPS	√	Structural Eng Arup		
√	Quantity Surveyor RLB	√	Services Eng JRP	√	Environmental Management ERM
√	Contract Administrator RDA	√	Design Consultant HdM	√	Antiquities & Monuments Office AMO
√	Resident Architect RDA			√	For Purcell

Continuation Page

For information:



Above, photograph taken by the Management Contractor on 18th October 2013, showing the commencement of salvaging existing timber floorboards from Block 19.

This Site Memorandum confirms a variation of the Works following oral instructions, an inspection of site operations or the issuance of new or revised documents for construction. Unless stated otherwise, it shall be treated as an Instruction to carry out works as authorised by Architects Instruction F-620 dated 12 March 2014. Where applicable, it includes provision for distribution to all relevant members of the client/design/construction team and the Antiquities and Monuments Office.	**Site Memorandum No. 855** **Date: 9th March 2016**
To: Gammon Construction Limited For the attention of: Cliff Leung	
Subject: Non-Compliance, Inappropriate Storage Resulting Damage to Timber Fretwork from Block 3	A.I. no: **Not Applicable**

NON-COMPLIANCE WITH CONTRACT DOCUMENTS - DAMAGE OF HERITAGE FABRIC.

Site memo 542 dated 15th April 2015 and 542A dated 30th April 2015 were issued to instruct the removal, storage, repair and reinstatement of existing timber ceiling boards and fretwork from Block 3 Third Floor. Instruction was given that the boards should be carefully stored and protected in dry and safe place. They should be stacked on regularly spaced, level bearers on a dry, firm base so that they are not overstressed or distorted.

On 8th December 2015, we observed that the timber boarded ceiling were put in the verandah of Block 3, mixed with debris and trashes. We asked the Management Contractor and the Works Package Contractor to improve the storage procedure. On 2nd March 2016, we observed that no improvement was made and damage was found due to lack of protection.

The Management Contractor and Works Package Contractors are required to:

1. Review and revise the work practices of the works package contractors and improve the storage procedures of historic fabric.
2. Supervise the work operations to ensure compliance with the Contract Documents.
3. Assess the extent of any damage and submit proposals to rectify the damage at neutral cost to the contract. No works are to be undertaken to rectify the damage without prior approval from the Conservation Architect.

(Continued overleaf.)

Heritage Impact: YES, built heritage will be affected: Historic fabric has been damaged.

Proposed Mitigation Measures: Contractor is to comply with the Contract Documents. Assess extent of damages and submit proposals for rectification.

Justification: N/A

Variation: N **Cost implication: N**	**RLB Cost estimate:** HKD Initials: Date:	**JCCPS** approved/rejected Initials: Date:

Copies to:

√	Employer JCCPS	√	Structural Eng Arup		
√	Quantity Surveyor RLB	√	Services Eng JRP	√	Environmental Management ERM
√	Contract Administrator RDA	√	Design Consultant HdM	√	Antiquities & Monuments Office AMO
√	Resident Architect RDA			√	For Purcell

Continuation Page

For information:

Above, photograph taken on 2nd March, 2016, showing timber fretwork was stored inappropriately with trashes.

Above, photograph taken on 2nd March, 2016, showing timber boarded ceiling was stored inappropriately with trashes.

This Site Memorandum confirms a variation of the Works following oral instructions, an inspection of site operations or the issuance of new or revised documents for construction. Unless stated otherwise, it shall be treated as an Instruction to carry out works as authorised by Architects Instruction F-620 dated 12 March 2014. Where applicable, it includes provision for distribution to all relevant members of the client/design/construction team and the Antiquities and Monuments Office.	**Site Memorandum No. 856** **Date: 10th March 2016**
To: Gammon Construction Limited For the attention of: Cliff Leung	
Subject: Non-Compliance, Inappropriate Works to Holding Cell in Block 9	A.I. no: **Not Applicable**

NON-COMPLIANCE WITH CONTRACT DOCUMENTS - DAMAGE OF HERITAGE FABRIC.

Site memo 420 dated 15th October 2014 was issued to instruct the omission of all works with in the room data sheet in the holding cell area in Block 9 Lower Ground Floor. It also confirmed the holding cell area should be preserved as found and remain protected in accordance with the block specific protection schedule.

On 24th February 2016, we observed that inappropriate works had been undertaken in the holding cell area.

- Existing paint on the metal gates/ windows was removed.
- Existing meshes and fans on the windows were removed, causing damage on the adjacent brickwork.
- Existing timber door to the toilet was removed.
- Existing conduits and lightings were removed
- Blue datum line was drawn through the middle of the historic graffiti.

(Continued overleaf.)

Heritage Impact: YES, built heritage will be affected: Historic fabric has been damaged.

Proposed Mitigation Measures: Contractor is to comply with the Contract Documents. Assess extent of damages and submit proposals for rectification.

Justification: N/A

Variation: N **Cost implication: N**	**RLB Cost estimate:** HKD Initials: Date:	**JCCPS** approved/rejected Initials: Date:

Copies to:

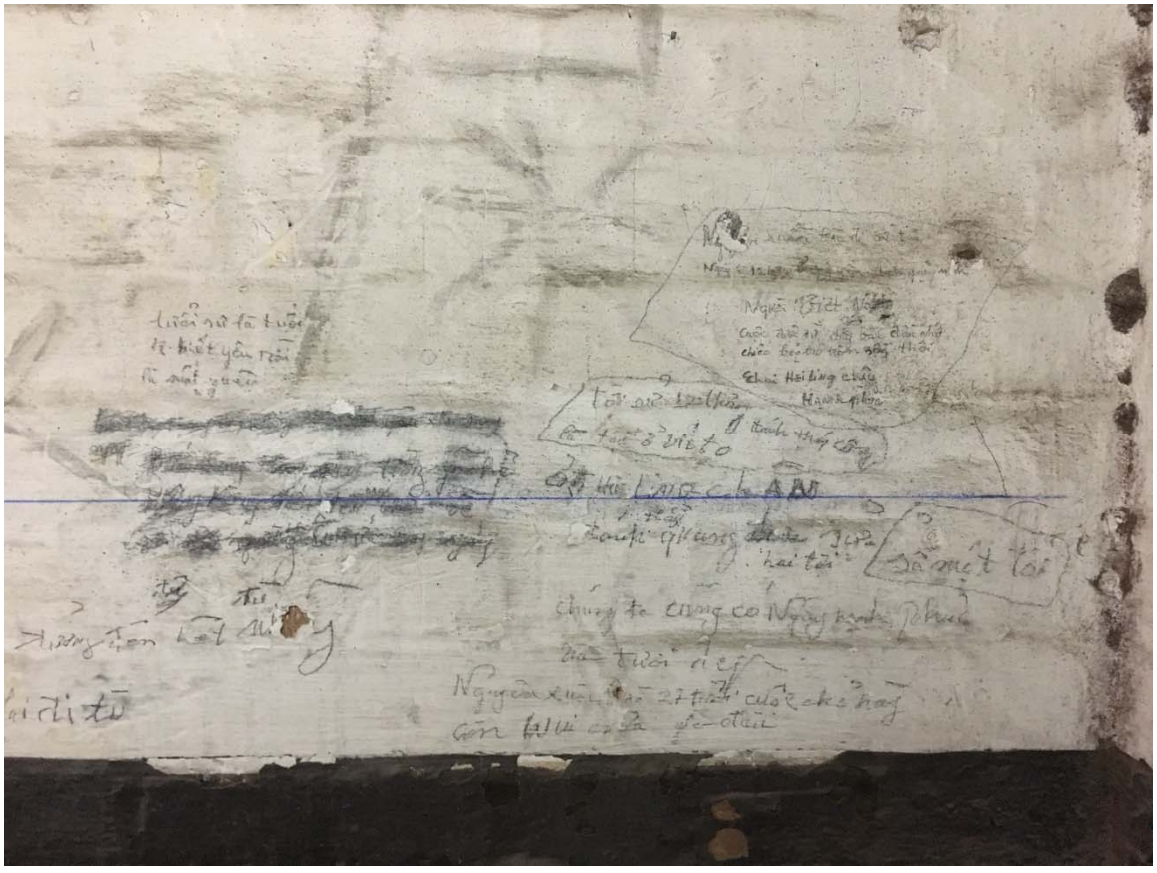
√	Employer JCCPS	√	Structural Eng Arup		
√	Quantity Surveyor RLB	√	Services Eng JRP	√	Environmental Management ERM
√	Contract Administrator RDA	√	Design Consultant HdM	√	Antiquities & Monuments Office AMO
√	Resident Architect RDA			√	For Purcell

Continuation Page

The Management Contractor and Works Package Contractors are required to:

1. Review and revise the work practices of the works package contractors.
2. Supervise the work operations to ensure compliance with the Contract Documents.
3. Provide and apply rust inhibitor to undecorated metal surfaces to prevent further deterioration of the metalwork. Wait for further instruction to redecorate the metal work, colour to be confirmed by the Interpretation Consultant/ Conservation Architect.
4. Repair damaged brickwork due to the mesh removal.
5. Ensure all measures have been fully exhausted to locate the missing timber toilet door, if the door cannot be located within seven days of this notice, notify the Conservation Architect and submit proposal to fabricate new timber toilet door.
6. Do not attempt to remove the blue datum line on the wall. Purcell will separately specify these works which needs to be carried out by a specialist conservator at neutral cost of the contract.
7. The above rectification works shall be at neutral cost to the contract.

For information:



Above, photograph taken on 2nd March 2016, showing blue datum line was incorrectly drawn through the middle of the historic graffiti.

Above, photograph taken on 27th July 2009, showing the overall look of the holding cell.

Above, photograph taken on 25th February 2016, the conduits, lighting, mesh and fan on the window, paint on the metal gate were incorrectly removed. Removal of mesh had damaged adjacent brickwork.

Above, photograph taken on 27th July 2009, showing the overall view of the metal gate leading to the staircase upstairs.

Above, photograph taken on 25th February 2016, the mesh and the paint were incorrectly removed from the gate.

Above, photograph taken on 27th July 2009, showing the overall view of the holding cell toilet.

Above, photograph taken on 25th February 2016, the conduits, lighting, mesh and fan on the window, timber panel door were incorrectly removed.

This Site Memorandum confirms a variation of the Works following oral instructions, an inspection of site operations or the issuance of new or revised documents for construction. Unless stated otherwise, it shall be treated as an Instruction to carry out works as authorised by Architects Instruction F-620 dated 12 March 2014. Where applicable, it includes provision for distribution to all relevant members of the client/design/construction team and the Antiquities and Monuments Office.	**Site Memorandum No. 863** **Date: 31st March 2016**
To: Gammon Construction Limited For the attention of: Cliff Leung	
Subject: Block 7 South elevation. Spillage of non-shrink grout on facing brickwork.	A.I. no: F-620

NON-COMPLIANCE WITH CONTRACT DOCUMENTS – DAMAGE TO HISTORIC FABRIC

It has been observed that the casting of the concrete pad stone to the bridge of Block 7 (1/F) has been carried out without adequate protection to the brickwork façade. Non-shrink grout has been allowed to spill down the façade of the facing brickwork.

The Management Contractor / Works Package Contractors are required to:

1. Review and revise the work practices of the works package contractors and ensure sufficient protection has been provided to existing building fabric during site works.
2. Supervise the work operations to ensure compliance with the Contract Documents.
3. Advise how monitoring procedures are being carried out by the Management Contractor.
4. Assess the extent of any damage and submit proposals to rectify the damage at neutral cost to the contract.
5. Method of repair and trials are to be agreed with Purcell. No rectification works are to be undertaken without prior approval from Purcell.

Heritage Impact: YES, built/archaeological heritage will be affected (please specify):
Damage has been caused to historic building fabric.

Proposed Mitigation Measures: Instruct the contractor to comply with the Contact Documents. Assess extent of damage and carry out approved rectification works at neutral cost to the contract.

Justification: N/A

Variation: N **Cost implication: N**	**RLB Cost estimate:** HKD Initials: Date:	**JCCPS** approved/rejected Initials: Date:

Copies to:

√	Employer JCCPS	√	Structural Eng Arup		
√	Quantity Surveyor RLB	√	Services Eng JRP	√	Environmental Management ERM
√	Contract Administrator RDA	√	Design Consultant HdM	√	Antiquities & Monuments Office AMO
√	Resident Architect RDA			√	For Purcell

Continuation Page

Above, photo taken on 18th March 2016, showing spilt concrete on the Block 7 North elevation (1/F).

This Site Memorandum confirms a variation of the Works following oral instructions, an inspection of site operations or the issuance of new or revised documents for construction. Unless stated otherwise, it shall be treated as an Instruction to carry out works as authorised by Architects Instruction F-620 dated 12 March 2014. Where applicable, it includes provision for distribution to all relevant members of the client/design/construction team and the Antiquities and Monuments Office.	**Site Memorandum No. 865** **Date: 31st March 2016**
To: Gammon Construction Limited For the attention of: Cliff Leung	
Subject: Block 9. West elevation and boundary wall opposite. Spillage of non-shrink grout on facing brickwork	A.I. no: F-620

NON-COMPLIANCE WITH CONTRACT DOCUMENTS – DAMAGE TO HISTORIC FABRIC

It has been observed that the recasting of the concrete balcony brackets to Block 9 West Elevation (G/F, 1/F and 2/F) has been carried out by the works package contractor without adequate protection to the brickwork façade as well as the boundary wall opposite. Non-shrink grout has been allowed to spill down the façade and splash the faces of the brickwork. The Management Contractor has issued Notification of sub-standard performance to the Works Package Contractor, reference number J3416/NSP/WP216/024.

The Management Contractor and Works Package Contractors are required to:

1. Review and revise the work practices of the works package contractors and ensure sufficient protection has been provided to existing building fabric during site works.
2. Supervise the work operations to ensure compliance with the Contract Documents.
3. Advise how monitoring procedures are being carried out by the Management Contractor.
4. Assess the extent of any damage and submit proposals to rectify the damage at neutral cost to the contract.
5. Method of repair and trials are to be agreed with Purcell. No rectification works are to be undertaken without prior approval from Purcell.

Heritage Impact: YES, built/archaeological heritage will be affected (please specify):
Damage has been caused to historic building fabric.

Proposed Mitigation Measures: Instruct the contractor to comply with the Contact Documents. Assess extent of damage and carry out approved rectification works at neutral cost to the contract.

Justification: N/A

Variation: N **Cost implication: N**	**RLB Cost estimate:** HKD Initials: Date:	**JCCPS** approved/rejected Initials: Date:

Copies to:

√	Employer JCCPS	√	Structural Eng Arup		
√	Quantity Surveyor RLB	√	Services Eng JRP	√	Environmental Management ERM
√	Contract Administrator RDA	√	Design Consultant HdM	√	Antiquities & Monuments Office AMO
√	Resident Architect RDA			√	For Purcell

Continuation Page

Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy West elevation (G/F).

(Continued overleaf.)

Continuation Page

Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy West elevation (G/F).

(Continued overleaf.)

Continuation Page

Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy West elevation (G/F).

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Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy West elevation (G/F).

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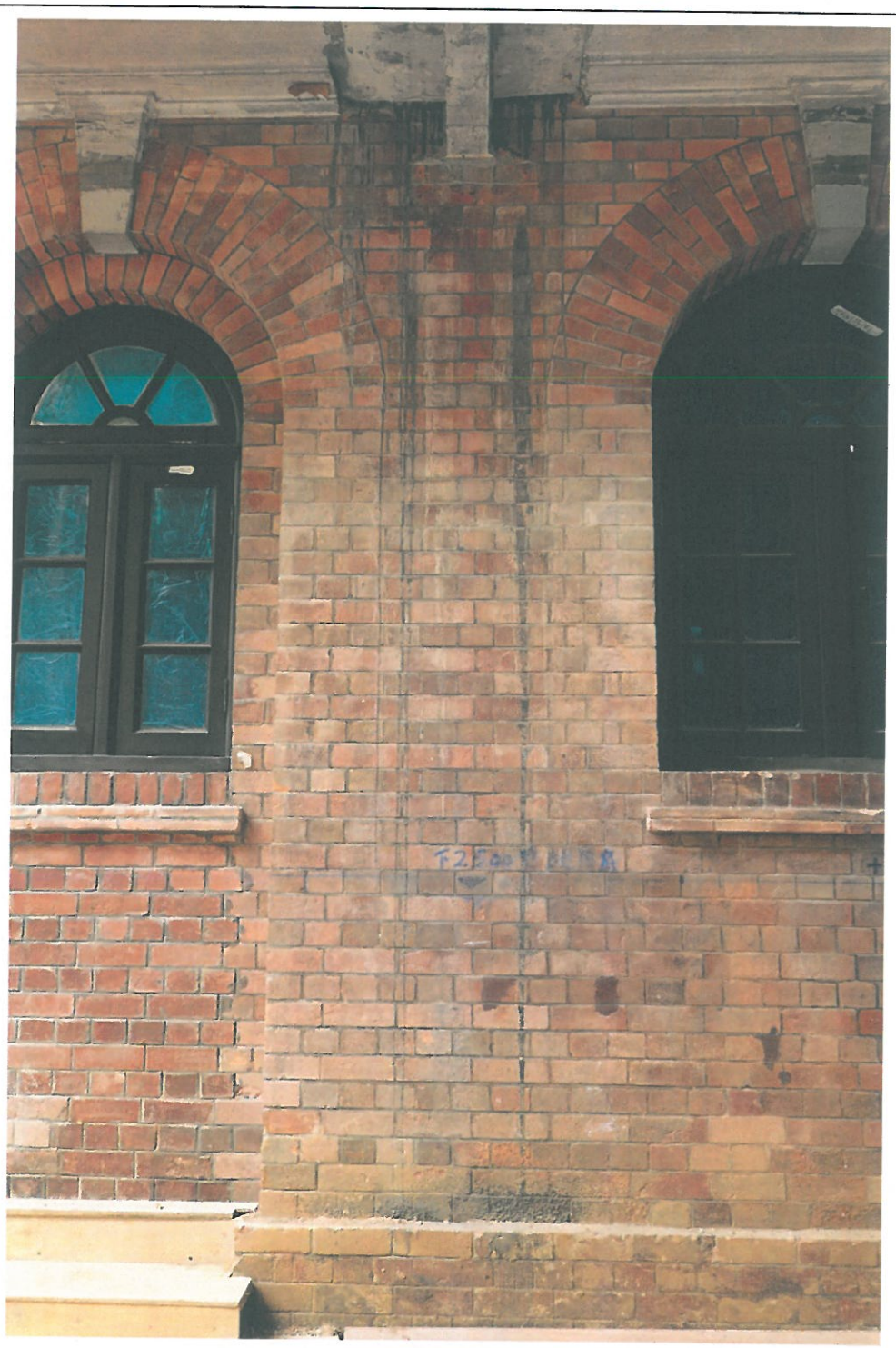

Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy West elevation (G/F).

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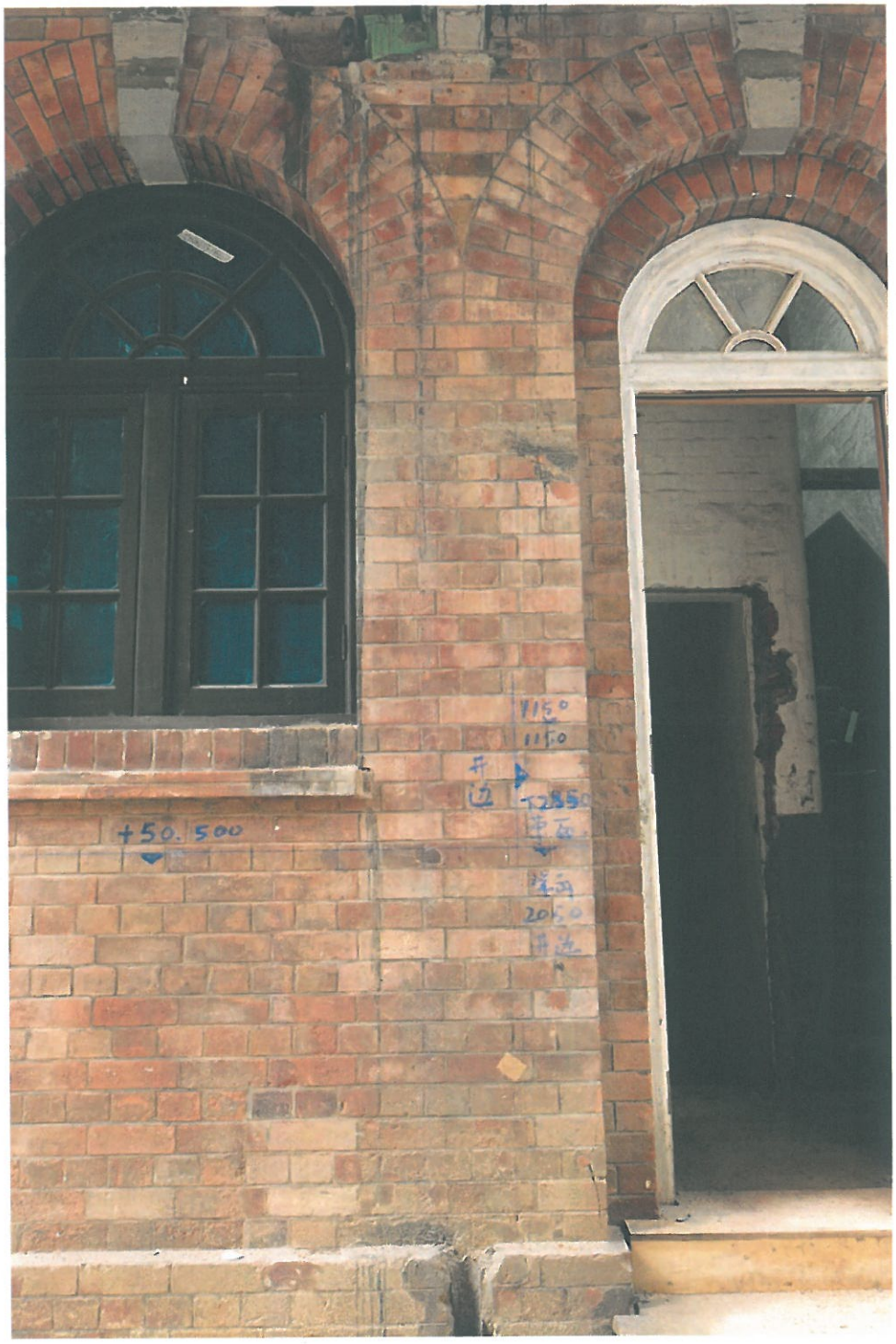

Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy West elevation (G/F).

(Continued overleaf.)

Continuation Page

Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy West elevation (G/F).

(Continued overleaf.)

Continuation Page

Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy West elevation (1/F).

Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy West elevation (1/F).

(Continued overleaf.)

Continuation Page

Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy West elevation (1/F).

Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy West elevation (1/F).

(Continued overleaf.)

Continuation Page

Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy Terrace (2/F West elevation).

Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy Terrace (2/F West elevation).

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Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy Terrace (2/F West elevation).

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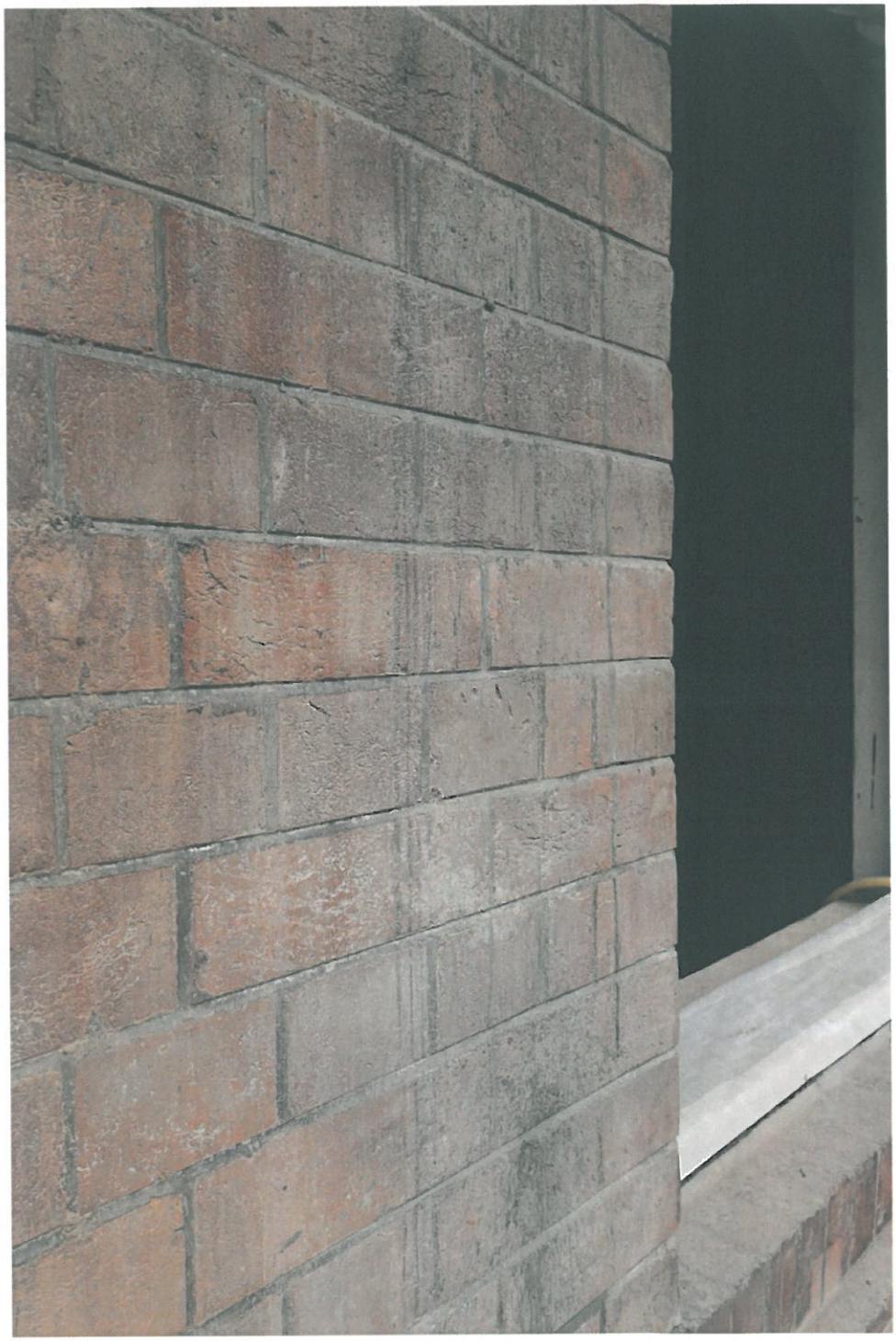

Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy Terrace (2/F West elevation).

(Continued overleaf.)

Continuation Page

Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy Terrace (2/F West elevation).

(Continued overleaf.)

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Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy Terrace (2/F West elevation).

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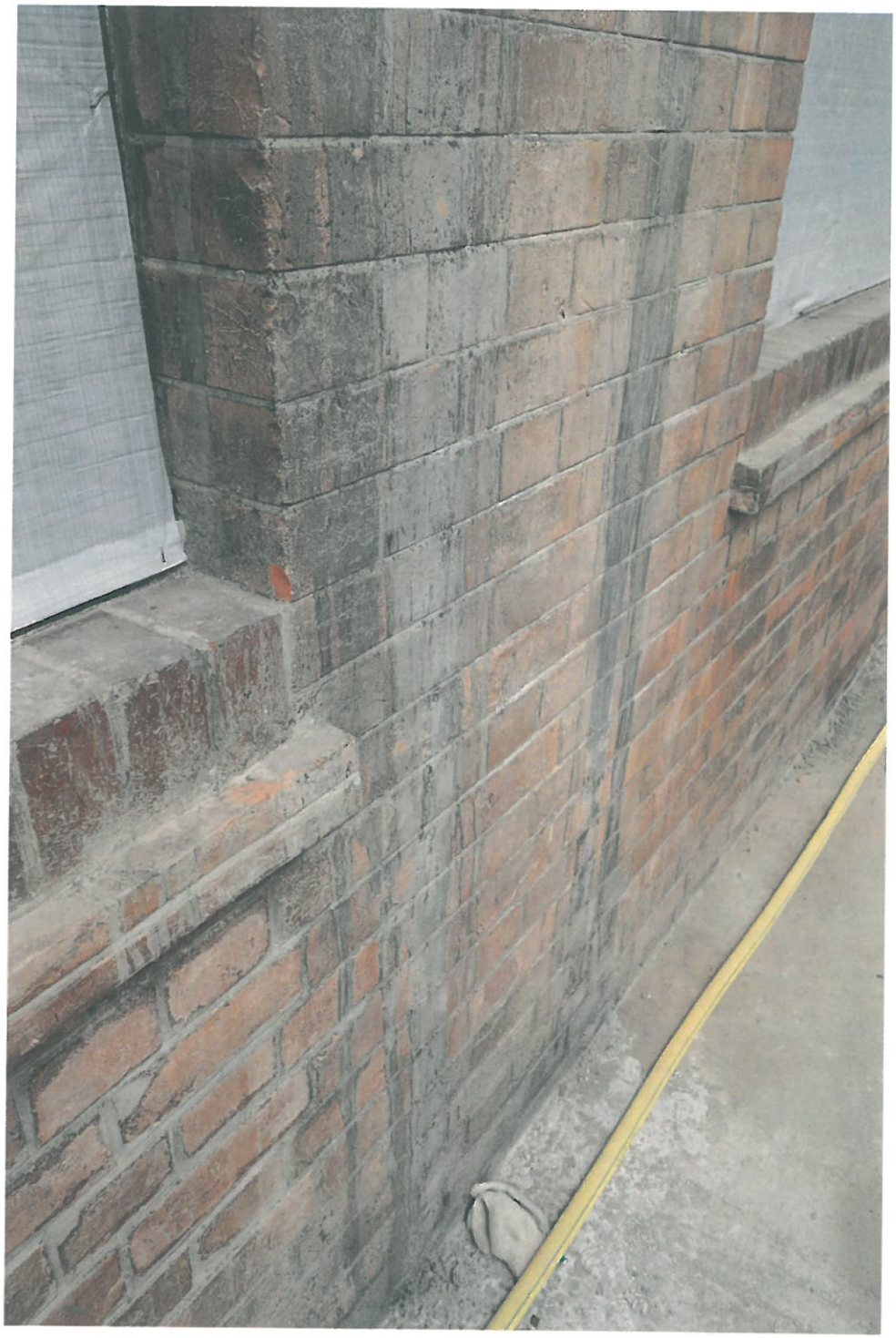

Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy Terrace (2/F West elevation).

(Continued overleaf.)

Continuation Page

Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy Terrace (2/F West elevation).

(Continued overleaf.)

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Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy Terrace (2/F West elevation).

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Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy Terrace (2/F West elevation).

(Continued overleaf.)

Continuation Page

Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy Terrace (2/F West elevation).

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Above, photo taken on 18th March 2016, showing spilt concrete on the Block 9 Magistracy Terrace (2/F West elevation).

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Continuation Page

Above, photo taken on 18th March 2016, showing spilt concrete on the boundary wall opposite Block 9 Magistracy West elevation.

Above, photo taken on 18th March 2016, showing the close-up of the spilt concrete on the boundary wall opposite Block 9 Magistracy West elevation.

This Site Memorandum confirms a variation of the Works following oral instructions, an inspection of site operations or the issuance of new or revised documents for construction. Unless stated otherwise, it shall be treated as an Instruction to carry out works as authorised by Architects Instruction F-620 dated 12 March 2014. Where applicable, it includes provision for distribution to all relevant members of the client/design/construction team and the Antiquities and Monuments Office.	**Site Memorandum No. 875** **Date: 6th April 2016**
To: Gammon Construction Limited For the attention of: Cliff Leung	
Subject: Non-Compliance, Loss of Metal Bar Screens at Block 3 Ground Floor	A.I. no: **Not Applicable**

NON-COMPLIANCE WITH CONTRACT DOCUMENTS – LOSS OF HISTORIC FABRIC

We were informed by the Management Contractor on 24th March 2016 that two security bar screens from windows 03/WG/46 and 03/WG/47 were lost due to improper storage. The contract work includes the removal, repair, redecoration and refixing the two metal bar screens.

Gammon issued a Notification of Sub-standard Performance to the Yearfull on 24 March 2016 (ref. J3416/NSP/WP209/092)

The Management Contractor and Works Package Contractors are required to:

1. Review and revise the work practices of the works package contractors and improve the storage procedure of historic fabric.

2. Supervise the work operations to ensure compliance with the Contract Documents.

3. Ensure all measures have been fully exhausted to locate the missing metal bar screens, if the screens still cannot be located within seven days of this notice, notify the Conservation Architect and submit proposals to fabricate two metal bar screen to match the existing pattern in like for like materials at neutral cost to the contract.

(Continued overleaf.)

Heritage Impact:
YES, built heritage will be affected: Historic fabric has been lost.

Proposed Mitigation Measures:
Instruct Contractor to comply with Contract Documents. Fabricate two metal bar screen to match the existing pattern in like for like materials.

Justification: N/A

Variation: N **Cost implication: N**	**RLB Cost estimate:** HKD Initials: Date:	**JCCPS** approved/rejected Initials: Date:

Copies to:

√	Employer JCCPS	√	Structural Eng Arup		
√	Quantity Surveyor RLB	√	Services Eng JRP	√	Environmental Management ERM
√	Contract Administrator RDA	√	Design Consultant HdM	√	Antiquities & Monuments Office AMO
√	Resident Architect RDA			√	For Purcell

Continuation Page

For information:

Above, photograph taken by the Management Contractor on 10th March 2015, showing the metal bar screen.

Above, photograph taken by the Management Contractor on 10th March 2015, showing the metal bar screen.

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To: Gammon Construction Limited For the attention of: Cliff Leung	
Subject: Non-Compliance, Damage to Existing Brickwork Vault in Lower Ground Floor, Block 14	A.I. no: **Not Applicable**

NON-COMPLIANCE WITH CONTRACT DOCUMENTS – DAMAGE OF HISTORIC FABRIC

Cracks on the brickwork vault were observed in Lower Ground Floor of Block 14. A method of "Helifix system" was proposed to repair the cracks on the brickwork vault dated 19th March 2016. However we were informed by the Management Contractor on 14th April 2016 that the brickwork adjacent to the cracks had been removed to fully expose the tie bars embedded within the brickwork vault. This works had not been instructed and we believe this work was unnecessary which has damaged the existing building fabric.

The Management Contractor and Works Package Contractors are required to:

1. Review and revise the work practices of the works package contractors to ensure that the Conservation Architect have been consulted for all works related to historic building fabric
2. Supervise the work operations to ensure compliance with the Contract Documents.
3. Assess the extent of damage, submit rectification proposal to the Conservation Architect and prevent recurrence.

(Continued overleaf.)

Heritage Impact:
YES, built heritage will be affected: Historic fabric has been damaged.

Proposed Mitigation Measures:
Instruct Contractor to comply with Contract Documents. Assess the extent of damage, submit rectification proposal to the Conservation Architect and prevent recurrence.

Justification: N/A

Variation: N **Cost implication: N**	**RLB Cost estimate:** HKD Initials: Date:	**JCCPS** approved/rejected Initials: Date:

Copies to:

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√	Quantity Surveyor RLB	√	Services Eng JRP	√	Environmental Management ERM
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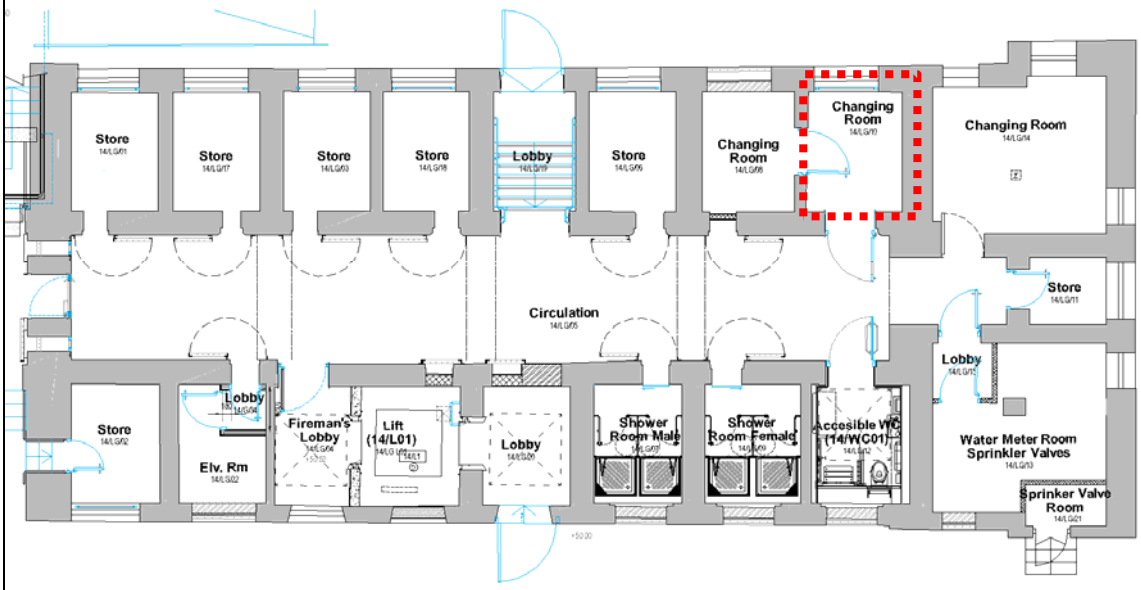
√	Resident Architect RDA			√	For Purcell

Continuation Page

For information:

Photograph taken by the Management Contractor. The existing brickwork vault was damaged due to the exposure of tie bars.



Location of affected vaulted ceiling.

This Site Memorandum confirms a variation of the Works following oral instructions, an inspection of site operations or the issuance of new or revised documents for construction. Unless stated otherwise, it shall be treated as an Instruction to carry out works as authorised by Architects Instruction F-620 dated 12 March 2014. Where applicable, it includes provision for distribution to all relevant members of the client/design/construction team and the Antiquities and Monuments Office.	**Site Memorandum No. 933** **Date: 15th August 2016**
To: Gammon Construction Limited For the attention of: Cliff Leung	
Subject: Non-Compliance, Loss of Five Metal Casements to Window 15/WS/14	A.I. no: F-620

NON-COMPLIANCE WITH CONTRACT DOCUMENTS – LOSS OF HISTORIC FABRIC

During a site inspection 27th June 2016, it was observed that five metal window casements to 15/WS/14 were missing and had been cut above the hinges. This work is not in accordance with the contract documents. It is assumed that the missing casements have been tipped.

For information, Site Memo 655 dated 26th May 2015 instructed that the central six casements were to be fixed shut.

The Management Contractor and Works Package Contractors are required to:

1. Review and revise the work practices of the works package contractors.
2. Supervise the work operations to ensure compliance with the Contract Documents.
3. Fabricate and reinstate the five missing metal casements with hinges to match the existing pattern in like for like materials at neutral cost to the contract.

(Continued overleaf.)

Heritage Impact: YES, built heritage will be affected: Historic fabric has been lost.

Proposed Mitigation Measures:
Instruct Contractor to comply with Contract Documents. Fabricate and reinstate five casements with hinges to match the existing pattern in like for like materials.

Justification: N/A

Variation: N **Cost implication: N**	**RLB Cost estimate:** HKD Initials: Date:	**JCCPS** approved/rejected Initials: Date:

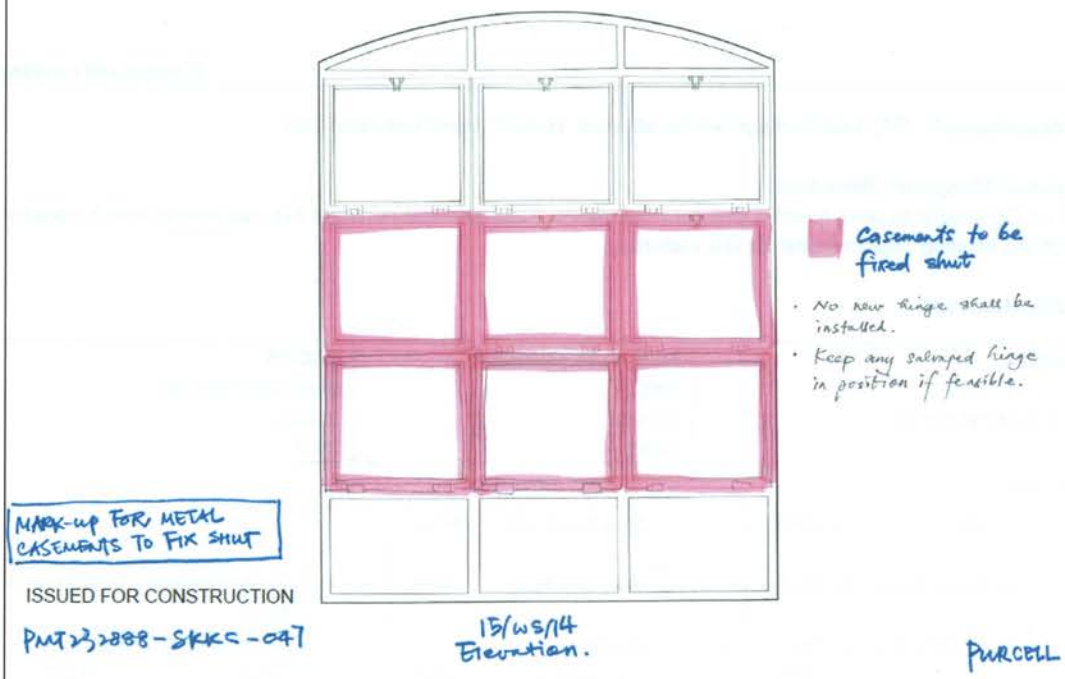
Copies to:

√	Employer JCCPS	√	Structural Eng Arup		
√	Quantity Surveyor RLB	√	Services Eng JRP	√	Environmental Management ERM
√	Contract Administrator RDA	√	Design Consultant HdM	√	Antiquities & Monuments Office AMO
√	Resident Architect RDA			√	For Purcell

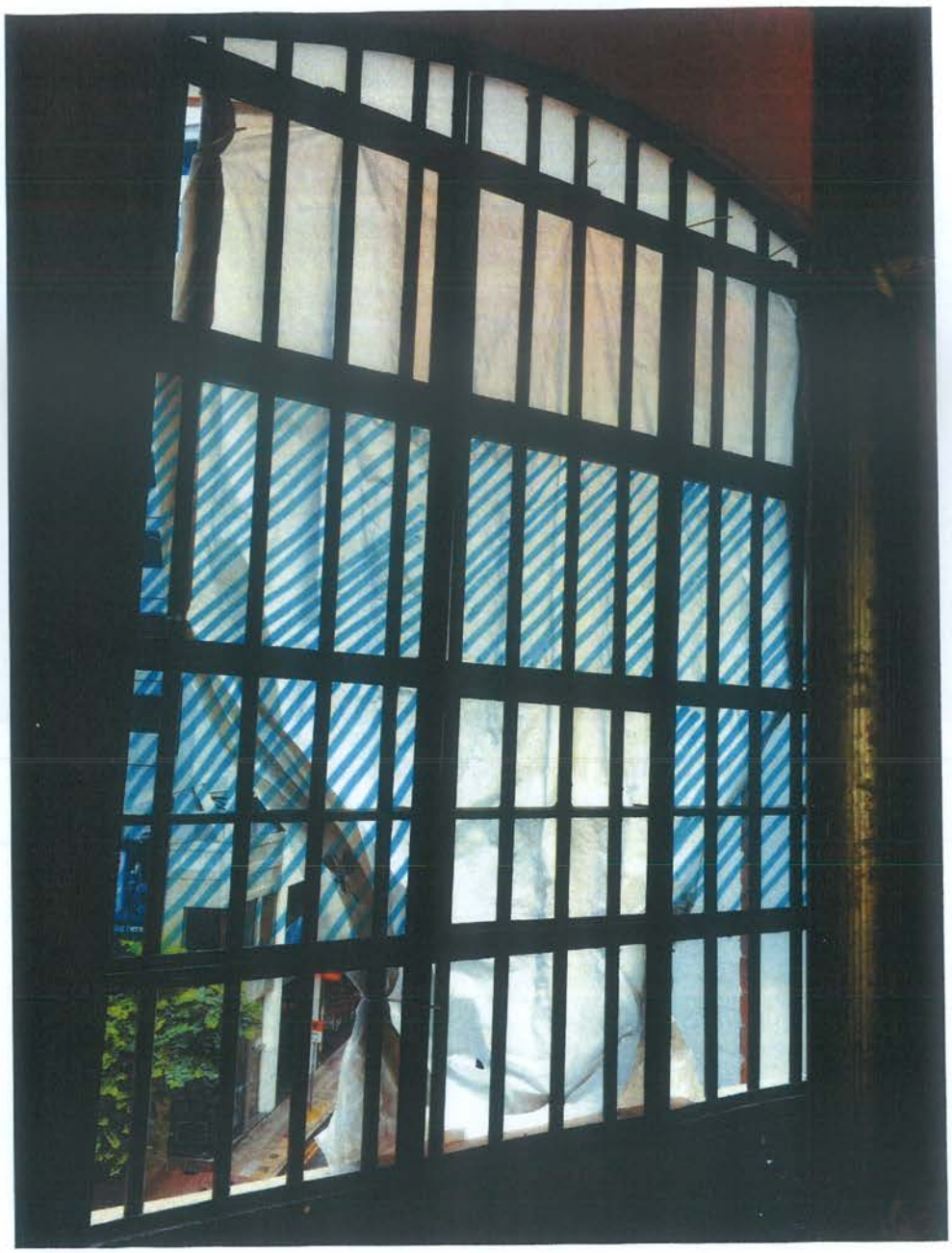
Continuation Page

For information:

Above, photograph taken by the Management Contractor on 17th August, 2011, showing the overall look of the window.



Above, abstract of site memo 655 dated 26th May 2015, instructing the six casements to be fixed shut.



MISSING CASEMENT TO BE REINSTATED.

Above, photograph taken on 15th July, showing the location of missing casements.

Above, photograph taken on 15th July 2016, showing the casement was cut above the hinge.

This Site Memorandum confirms a variation of the Works following oral instructions, an inspection of site operations or the issuance of new or revised documents for construction. Unless stated otherwise, it shall be treated as an Instruction to carry out works as authorised by Architects Instruction F-620 dated 12 March 2014. Where applicable, it includes provision for distribution to all relevant members of the client/design/construction team and the Antiquities and Monuments Office.	**Site Memorandum No. 950** **Date: 9th September 2016**
To: Gammon Construction Limited For the attention of: Cliff Leung	
Subject: Non-Compliance, Damage to Pottinger Gate	A.I. no: **F-620**

NON-COMPLIANCE WITH CONTRACT DOCUMENTS – DAMAGE OF HISTORIC FABRIC

The gate leafs of the Pottinger Gate were temporarily removed to accommodate the excavation for the site wide services installation within the Pottinger Ramp area. However, during our site inspection on 21st July 2016, we noticed the Pottinger Gate was damaged in following aspects:

- The bottom of the right hand side (looking towards south) leaf was out of shape.
- The drop bolt on the right hand side leaf was bent.
- One arrow on left hand side leaf was missing.
- One bracing on the left hand side leaf was missing.
- Four hinges were missing.
- Two gate hold back latches were missing.

The above damage has occurred after the GCL dilapidation survey on 2011.

(Continued overleaf.)

Heritage Impact:
YES, built heritage will be affected: Historic fabric has been damaged.

Proposed Mitigation Measures:
Instruct Contractor to comply with Contract Documents. Assess the extent of damage, submit rectification proposal to the Conservation Architect and prevent recurrence.

Justification: N/A

Variation: N **Cost implication: N**	**RLB Cost estimate:** HKD Initials: Date:	**JCCPS** approved/rejected Initials: Date:

Copies to:

√	Employer JCCPS	√	Structural Eng Arup		
√	Quantity Surveyor RLB	√	Services Eng JRP	√	Environmental Management ERM
√	Contract Administrator RDA	√	Design Consultant HdM	√	Antiquities & Monuments Office AMO
√	Resident Architect RDA			√	For Purcell

Continuation Page

The Management Contractor and Works Package Contractors are required to:

1. Review and revise the work practices of the works package contractors and improve the storage procedure of historic fabric.
2. Supervise the work operations to ensure compliance with the Contract Documents.
3. Repair and reinstate the gate at neutral cost to the contract, a separate instruction will be given for the repairs.

For information:

Photographic Record for Central Police Station Compound
Block 01

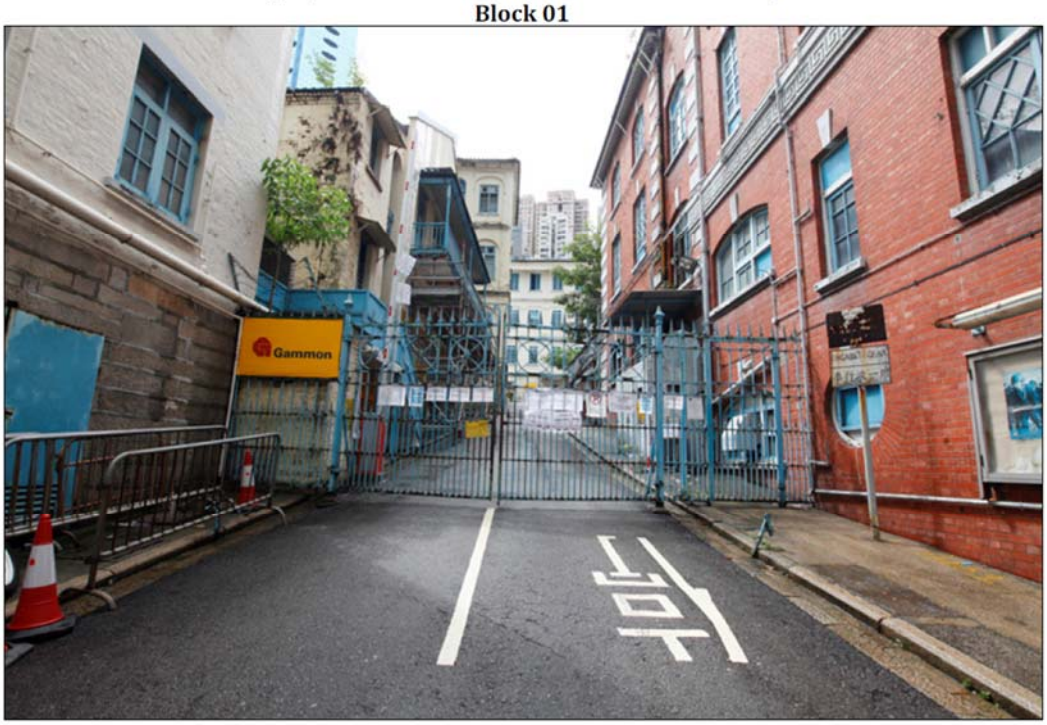


Photo 01-Ext-419 General view of the external wall (25-10-2011)

Photograph taken by the Management Contractor on 25th October 2011. The general view of the Pottinger Gate (looking towards south).

Above, photo taken on 21st July 2016, showing the bottom of the right hand side leaf was out of shape.

Above, photo taken on 21st July 2016, showing the drop bolt on the right hand side leaf was bent.

Above, photo taken on 21st July 2016, showing one arrow on left hand side leaf was missing.

Annex M3

A Summary of Condition of Character Defining Elements, Historic Buildings and Structures

CENTRAL POLICE STATION, HONG KONG

SCHEDULE OF CHARACTER DEFINING ELEMENTS

This Schedule of Character Defining Elements has been prepared at the request of the Antiquities and Monuments Office (AMO) to support applications for S.6 approval under the Antiquities and Monuments Ordinance and the Environmental Impact assessment Ordinance. The levels of significance and their meanings are derived from the work of James Semple Kerr.

For each element, the level of significance is stated, together with the planned outcome and associated mitigation measure, where applicable, and the resultant impact upon the significance. Generally, only those items subject to change are noted, and the impacts should be read as negative . Where elements are deemed currently to be adverse, the impact of the changes should be read as positive.

The levels of significance and definitions as defined by Kerr are stated below. The criteria used to assess the significance of each element are, as directed by AMO : (i) the association with the operation of the Central Police Station Compound; and (ii) its architectural quality. Where these criteria conflict, the resultant assessment score is aggregated.

Each entry in the schedule is accompanied by a photograph of a sample of the item described. The location of each photograph is noted on the floor plans attached in the appendix to the schedule. Similar examples of each item can be seen by observation.

	Level of significance	Meaning
Positive	**Exceptional**	Where an individual space or element is assessed as displaying a strong contribution to the overall significance of the place. Spaces, elements or fabric exhibit a high degree of intactness and quality, though minor alterations or degradation may be evident.
	High	Where an individual space or element is assessed as making a substantial contribution to the overall significance of the place. Spaces, elements or fabric originally of substantial quality, yet may have undergone considerable alteration or adaption resulting in presentation which is either incomplete or ambiguous. The category also includes spaces, elements or fabric of average quality in terms of design and materials, but which exhibit a high degree of intactness.
	Moderate	Where an individual space or element is assessed as making a moderate contribution to the overall significance of the place. Spaces, elements or fabric originally of some intrinsic quality, and may have undergone alteration or degradation. In addition, elements of relatively new construction, where the assessment of significance is difficult, may be included. This category also includes original spaces, elements or fabric of any quality which have undergone extensive alteration or adaption.
	Low	Where an individual space or element is assessed as making a minor contribution to the overall significance of the place, especially when compared to other features. Spaces, elements or fabric originally of little intrinsic quality, any may have undergone alteration or degradation. This category also includes original spaces, elements or fabric of any quality which have undergone extensive alteration or adaption to the extent that only isolated remnants survive (resulting in a low degree of intactness and quality of presentation).
	Neutral	Where an individual space or element is assessed as having an unimportant relationship with the overall significance of the place. Spaces, elements or fabric are assessed as having little or no significance.
	Adverse	Where an individual space or element detracts from the appreciation of cultural significance, by adversely affecting or obscuring other significant areas, elements or items.

Addendum	Date
Item no. 10.029 edited entry	18 June 2013
Item no. 10.030 added	18 June 2013

01 Police Headquarters

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.001	Flat plywood ceiling lining with plain rectangular cover battens		Adverse	Replace with T&G boarding to match existing	Not applicable	High
01.002	Plaster coving at abutments of walls and ceilings		Low	Remove in exceptional cases eg, where adjacent new lift shaft	Cut back neatly to a square edge and ensure remaining section is secure.	Low

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.003	Lay-in grid suspended ceiling		Adverse	Remove	Not applicable	High
01.004	Timber thresholds at external doors and internal doors between main corridor and individual rooms		Low	Remove to enable level access	Splice extensions to door jambs, extend width of bottom rail of doors to match existing	Low

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.005	Plaster box cornice		Moderate	Remove in exceptional cases eg. where adjacent new lift shafts	Cut back neatly to a square edge and ensure remaining section is secure.	Moderate
01.006	Panelled doors		Moderate	Replace where necessary to achieve fire resistance to comply with Code	Re-use where possible. Record design on survey drawings where element cannot be re-used.	Moderate

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.007	External shutters		High	Reinstate to match existing pattern	Not applicable	High
01.008	External terraces at 1/F		High	Overlay existing concrete paving with timber deck to provide level access	New deck to be reversible	Low

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.009	Plaster ceilings on GF and LG1		Moderate	Install cloud ceilings to accommodate new services	Install fixed grid to minimise damage to ceiling	High
01.010	Timber door frames and architraves		Moderate	Conceal in exceptional cases eg. where adjacent new lift shaft	Retain architrave and door frame in situ. Avoid damage to joinery.	High

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.011	Concrete floor		Low	Replace where new kitchens and plant rooms to be installed	Carefully remove and retain existing floorboards for re-use. Ensure controlled demolition of concrete structure and removal of debris from building to avoid damage to adjacent surfaces. Protect or carefully remove and set aside adjacent elements such as skirting boards	Low

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.012	Rainwater goods		Adverse	Replace with cast iron in pattern to match original and in correct locations	Not applicable	High

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.013	Exterior decorations		Adverse	Strip off and redecorate	Sample and analyse existing paint media; select new media to suit substrate and significance	High

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.014	Existing door openings		Moderate	Block opening as part of re-planning of interior	Retain existing door frame and architraves. Use framing and non-combustible sheet linings to block opening.	Moderate
01.015	Existing walls		Moderate	Form new opening as part of re-planning of interiors	New doors and frames to be of their time to avoid confusion about provenance	Moderate

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.016	Altered doors and windows		Adverse	Repair or renew as necessary existing frames to match original patterns	Not applicable	High
01.017	Mezzanine floor in room 01/LG1/13		Adverse	Remove floor and supporting columns to re-create original double-height space	Not applicable	High

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.018	Cast iron grilles above Service Corridor 01/LG1/35		High	Remove existing steel sheet covering [alterations to grilles awaiting confirmation from HdM]		
01.019	Perforated concrete deck above lightwell		Adverse	Remove deck and make good brickwork at abutments	Not applicable	High

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.020	External airconditioning units and other external services		Adverse	Remove and make good brickwork	Not applicable	High
01.021	Stair balustrades		High	Balustrades to be supplemented with additional handrails and supports to mitigate non-compliance with code	New fittings to be of their time and made reversible. Physical intervention to existing stairs and balustrades to be kept to the minimum.	Moderate

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.022	Main corridors		High	Install new lighting, fire sprinklers, fire doors to comply with Fire Services Code	New fittings to be mounted in a manner that is of its time and reversible. Avoid physical intervention with existing plaster box cornices, architraves, dado rails	High
01.023	Painted signs		High	Protect in situ	Not applicable	N/A

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.024	Fixed signs		Low-High	Remove and refix/display in visitors' centre/discard	Record each sign and assess significance individually and treat accordingly	N/A

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.025	Pitched roofs		High	New penetrations through roofs for ventilation ducts and other services	Arrange new penetrations so that they conform with the geometry of the existing roof. Model the size and shape of the new ducts so that the impact on the roofscape is minimised. Finish the new ducts in a non-reflective material in a neutral mid-tone.	High

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.026	Enclosure at First Floor landing of main stair		Adverse	Remove	Not applicable	Moderate

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.027	Steel railing enclosure at FF level		Low	Remove	Record on measured drawings and photographs	Low
01.028	Tongued and grooved flat and sloped timber boarded ceilings		Moderate	Repair where necessary and reinstate where missing	Not applicable	Moderate

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.029	Modern partitions		Adverse	Remove	Not applicable	High
01.030	Tiled dado		High	Cut away for enlargement of existing windows to form new doorways	Cut back to joint line and adjust tiling pattern to suit new opening. New tiles to match existing sizes and colours.	Moderate

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.031	Reinforced concrete canopy and sash windows		Moderate	Remove canopy and replace sash windows with new windows to match original	Make good brickwork where canopy removed, Reinstate rendered architraves around new window to match similar window facing on West wing	Moderate

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.032	Arched opening in brick wall above ceiling line		Low	Retain insitu and use to pass through future services. Infill only where opening is within a fire compartment	Use non-combustible material to block opening.	Low

Element no.	Description	Photo ref	Significance	Proposal	Mitigation	Impact
01.033	Ceiling void service installation (Cast Iron Water Tank and pipework)		Low	Remove and make good adjacent surfaces	N/A	Low

02 Armoury

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
02.001	Lay-in grid suspended ceiling		Adverse	Remove	Not applicable	High
02.002	Modern internal doors		Adverse	Remove	Not applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
02.003	Modern partitions		Adverse	Remove	Not applicable	High
02.004	External airconditioning units and other external services		Adverse	Remove and make good brickwork	Not applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
02.005	Brickwork walls enclosing rooms at GF and FF East side		Low	Remove and reinstate verandah	Not applicable	High
02.006	Concrete floors		Low	Selected removal to accommodate new stairs and lift shaft	Carefully form openings to ensure structural stability	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
02.007	Rainwater goods		Adverse	Replace with cast iron in pattern to match original and in correct locations	No applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
02.008	Altered doors and windows		Adverse	Repair or renew as necessary existing frames to match original patterns	Not applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
02.009	Concrete stairs		Adverse	Remove stairs	Not applicable	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
02.010	Pitched roofs		High	New penetrations through roofs for ventilation ducts and other services	Arrange new penetrations so that they conform with the geometry of the existing roof. Model the size and shape of the new ducts to reduce impact. Finish ducts in a non-reflective material that is neutral in colour and mid-tone.	High
02.011	Roof structure and tiled soffit		High	Repair and retain.	N/A	Neutral

03 Barracks Block

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
03.001	Lay-in grid suspended ceiling		Adverse	Remove	Not applicable	High

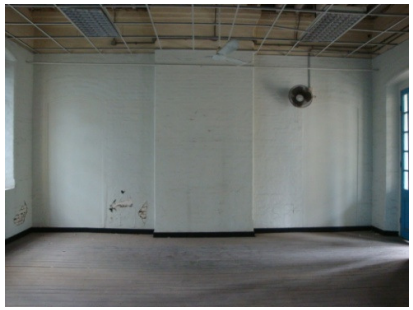
Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
3.002	Panelled doors		Moderate	Replace where necessary to achieve fire resistance to comply with Code	Re-use where possible. Record design on survey drawings where item cannot be re-used.	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
03.003	External shutters		High	Reinstate to match existing pattern	Not applicable	High
03.004	Timber thresholds at external doors and internal doors between main corridor and individual rooms		Low	Remove to enable level access	Splice extensions to door jambs, extend width of bottom rail of doors to match existing	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
03.005	Timber spandrel panels below windows		Low	Conceal in exceptional cases eg. where adjacent new lift shaft	Retain frame and spandrel panel where possible. Remove only where necessary in connection with re-planning of interiors. Record on measured survey drawings.	Low
03.006	Timber floors		High	Replace where new kitchens and plant rooms to be installed	Limit extent of removal as much as possible. Carefully remove and retain existing floorboards for re-use. Ensure controlled dismantling of timber structure and set aside for possible re-use. Protect or carefully remove and set aside adjacent elements such as skirting boards	Medium

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
03.007	Rainwater goods		Adverse	Replace with cast iron in pattern to match original and in correct locations	No applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
03.008	Exterior decorations		Adverse	Strip off and redecorate	Sample and analyse existing paint media; select new media to suit substrate and significance	High
03.009	Block existing door openings		Low	Block opening as part of re-planning of interior	Retain existing door frame and architraves. Use framing and non-combustible sheet linings to block opening.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
03.010	Form new door openings		Low	Form new opening as part of re-planning of interiors	New doors and frames to be of their time to avoid confusion about provenance. Re-open original openings where possible. Retain original reveals and arches.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
03.011	Altered doors and windows		Adverse	Repair or renew as necessary existing frames to match original patterns	Not applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
03.012	External airconditioning units and other external services		Adverse	Remove and make good brickwork	Not applicable	High
03.013	Stair balustrades		High	Balustrades to be supplemented with additional handrails and supports to mitigate non-compliance with code	New fittings to be of their time and made reversible. Physical intervention to existing stairs and balustrades to be kept to the minimum.	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
03.014	Painted signs		High	Protect in situ	Not applicable	N/A
03.015	Fixed signs		Low-High	Remove and refix/display in visitors' centre/discard	Record each sign and assess significance individually and treat accordingly	N/A

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
03.016	Pitched roofs		High	New penetrations through roofs for ventilation ducts and other services	Arrange new penetrations so that they conform with the geometry of the existing roof. Model the size and shape of the new ducts so that the impact on the roofscape is minimised. Finish the new ducts in a non-reflective material that is neutral in colour and mid-tone.	High
03.017	Lean-to structure adjacent North wall		Moderate	Remove	Record on measured survey drawings. Make good walls where roof structure abuts	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
03.018	Metal-frames windows at GF North elevation		Adverse	Remove window frames, masonry spandrel panels below and reinstate verandah	Not applicable	High
03.019	Internal walls at Ground Floor level		Moderate	Remove selected internal walls where strictly necessary as part of re-planning of interiors	Walls of early or original date to be retained in part eg. by leaving a "nib" where the wall is bonded to another wall. At the point where the wall is cut away, form the cut-line on the line of a vertical joint in alternate courses. Bricks in the remaining courses to be left "as cut", and not re-bonded. Record walls on measured survey dwgs.	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
03.020	Assembly rooms at centre of building (all floors)		Moderate	Sub-divide two rooms on each floor to provide service core, comprising: lifts, toilets, plant rooms, stores	Form new sub-visions using lightweight partitions to achieve reversibility. Form straight joints at abutments with existing retained walls. Notch new partitions around existing brick corbels at high level as a reminder of current condition.	Moderate
03.021	Exposed soffits of timber floors		Moderate	Underline existing floors to achieve specified fire resistance stated in Code	Avoid unnecessary damage to existing structure. New lining will reduce extent of intervention into existing structure. Keep level of new linings well clear of window heads.	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
03.022	Existing window frames/openings		High	Open up selected openings to form new fire escape doors	Retain any salvageable material for possible re-use elsewhere. Retain existing window jambs intact. Cut away masonry to form door openings along same line as window jamb; do not re-bind cut brickwork. Record existing condition on measured survey drawings.	Low
03.023	Single storey outbuildings on south side		Adverse	Demolish	Check for evidence of early route from Magistracy to Prison.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
03.024	Bridge at east end		Moderate	Retain	Not applicable	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
03.025	Chimneypiece on Ground Floor		Low	Repair and retain in current location	Not applicable	Neutral
03.026	Window in south wall; original dormitory space		Moderate	Remove window and take down brickwork spandrel; subdivide space to form new fire-protected escape route.	Record existing condition on measured survey drawings. New partition wall to be reversible.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
03.027	Clay-tiled floor in store room adjacent stairs		Low	Remove as part of re-planning of interiors	Record on measured survey drawings	Low

04 Dormitory Block A & B

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.001	Lay-in grid suspended ceiling		Adverse	Remove	Not applicable	High
04.002	Timber thresholds at external doors and internal doors between main corridor and individual rooms		Low	Remove to enable level access	Splice extensions to door jambs, extend width of bottom rail of doors to match existing	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.003	Plaster box cornice		Moderate	Remove in exceptional cases where eg. where adjacent new lift shafts	Cut back neatly to a square edge and ensure remaining section is secure.	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.004	Rainwater goods		Adverse	Replace with cast iron in pattern to match original and in correct locations	No applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.005	Exterior decorations		Adverse	Strip off and redecorate	Sample and analyse existing paint media; select new media to suit substrate and significance	High

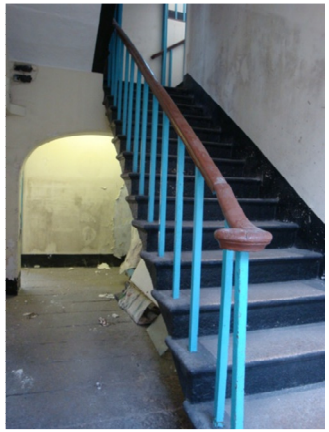
Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.006	Block existing door openings		Moderate	Block opening as part of re-planning of interior	Retain existing door frame and architraves. Use framing and non-combustible sheet linings to block opening.	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.007	Form new door openings		Moderate	Form new opening as part of re-planning of interiors	New doors and frames to be of their time to avoid confusion about provenance	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.008	Altered doors and windows		Adverse	Repair or renew as necessary existing frames to match original patterns	Not applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.009	Window frames in arcades of North and East elevations		Adverse	Remove window frames and make good masonry reveals and reinstate verandah	Not applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.010	External airconditioning units and other external services		Adverse	Remove and make good brickwork	Not applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.011	Stair balustrades		High	Balustrades to be supplemented with additional handrails and supports to mitigate non-compliance with code	New fittings to be of their time and made reversible. Physical intervention to existing stairs and balustrades to be kept to the minimum.	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.012	Stair from First to Second Floor		High	Replace stair to improve safety	New stair to be built of steel to comply with Code and to distinguish it as being “of its time”.	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.013	External verandahs		High	Install new lighting, fire sprinklers, fire doors to comply with Fire Services Code, extract ducting to external walls	New fittings to be mounted in a manner that is of its time and reversible. Avoid physical intervention with existing plaster box cornices in rooms, architraves, dado rails. Position outlet grilles in extneral walls on centre-line of arcade arches and above structural arch	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.014	Painted signs		High	Protect in situ	Not applicable	N/A
04.015	Fixed signs		Low-High	Remove and refix/display in visitors' centre/discard	Record each sign and assess significance individually and treat accordingly	N/A

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.016	Pitched roofs		High	New penetrations through roofs for ventilation ducts and other services	Arrange new penetrations so that they conform with the geometry of the existing roof. Model the size and shape of the new ducts so that the impact on the roofscape is minimised. Finish the new ducts in a non-reflective material that is neutral in colour.	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.017	Toilets at ends of verandahs		Adverse	Remove and make good finishes	Not applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.018	Partitions at GF Dormitory A		High	Remove to make way for Interpretation	Prepare measured drawings and photographs before removal.	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.019	Switchgear in old porch 04/G/13		Adverse	Open up porch, remove electrical switchgear and make good	Not applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.020	Flat plywood ceiling lining with plain rectangular cover battens		Adverse	Replace with T&G boarding to match existing	Not applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.021	Steps up to doorway on FF verandah		Moderate	Remove steps and doorway to form new fore escape route	Record steps and doorway on measured drawings	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.022	Timber boarded floors with moulded skirtings		High	Retain all boarded floors and skirtings	Reinstate floor boards and skirtings after fire proofing works	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.023	Cantilever balconies		High	Retain and repair as necessary. Reinstate balcony on west elevation.	Avoid highly visible intervention to enhance structural integrity and/or compliance with building codes. Restrict access if necessary to achieve this objective.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.024	Clay tile floor		Low	Retain and repair as necessary	Not applicable	Neutral
04.025	Matched-boarded ceiling with perforated border		Moderate	Repair and retain insitu	Not applicable	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
04.026	Ceiling rose		Low	Repair and retain insitu	Not applicable	Neutral

06 Dormitory C

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
06.001	Granite thresholds at external doors		Low	Retain; install timber deck flush with level of step where necessary	Avoid alteration to step.	Low
06.002	Pitched roof		High	New penetrations through roofs for ventilation ducts and other services	Arrange new penetrations so that they conform with the geometry of the existing roof. Model the size and shape of the new ducts so that the impact on the roofscape is minimised. Finish the new ducts in a non-reflective material that is neutral in colour and mid-tone.	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
06.003	Rainwater goods		Adverse	Replace with cast iron in pattern to match original and in correct locations	Not applicable	High
06.004	Exterior decorations		Adverse	Strip off and redecorate	Sample and analyse existing paint media; select new media to suit substrate and significance	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
06.005	Altered doors and windows		Adverse	Adverse	Repair or renew as necessary existing frames to match original patterns	Not applicable
06.006	External airconditioning units and other external services		Adverse	Adverse	Remove and make good brickwork	Not applicable

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
06.007	Painted signs		High	Protect in situ	Not applicable	N/A
06.008	Fixed signs		Low-High	Remove and refix/display in visitors' centre/discard	Record each sign and assess significance individually and treat accordingly	N/A

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
06.009	Cantilever balconies		High	Retain and repair as necessary.	Avoid highly visible intervention to enhance structural integrity and/or compliance with building codes. Restrict access if necessary to achieve this objective.	Low
06.010	Iron balustrades		High	Retain and repair as necessary.	Avoid highly visible intervention to enhance structural integrity and/or compliance with building codes. Restrict access if necessary to achieve this objective.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
06.011	Perforated margin at perimeter of ceiling		Low	Repair and retain.	Where fire-proofing of floor is required, use a product that can be installed within the floor void, leaving the ceiling lining intact.	Low
06.012	Block existing door openings		Moderate	Block opening as part of re-planning of interior	Retain existing door frame and architraves. Use framing and non-combustible sheet linings to block opening.	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
06.013	Form new door openings		Moderate	Form new opening as part of re-planning of interiors	New doors and frames to be of their time to avoid confusion about provenance	Moderate
06.014	Stair balustrades		High	Balustrades to be supplemented with additional handrails and supports to mitigate non-compliance with code	New fittings to be of their time and made reversible. Physical intervention to existing stairs and balustrades to be kept to the minimum.	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
06.015	Timber floors		High	Retain all boarded floors and skirtings	Reinstate floor boards and skirtings after fire proofing works	Low
06.016	Vinyl tile floor		Adverse	Remove tiles; renew boarded floor boards if necessary	Not applicable	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
06.017	Batten and panel ceiling lining		Low	Replace with lath and plaster ceiling	Not applicable	Low
06.018	Exposed roof covering		Moderate	Retain as existing	Consider insulating between upper and lower layers of roof tiles to provide thermal insulation and vapour barrier	Low

07 Dormitory D

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
07.001	Pitched roofs		High	New penetrations through roofs for ventilation ducts and other services	Arrange new penetrations so that they conform with the geometry of the existing roof. Model the size and shape of the new ducts so that the impact on the roofscape is minimised. Finish the new ducts in a non-reflective material that is neutral in colour and mid-tone.	High
07.002	Rainwater goods		Adverse	Replace with cast iron in pattern to match original and in correct locations	No applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
07.003	Exterior decorations		Adverse	Strip off and redecorate	Sample and analyse existing paint media; select new media to suit substrate and significance	High
07.004	Altered doors and windows		Adverse	Repair or renew as necessary existing frames to match original patterns	Not applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
07.005	External airconditioning units and other external services		Adverse	Remove and make good brickwork	Not applicable	High
07.006	Clothes drying racks		Adverse	Remove	Not applicable	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
07.008	Lay-in grid suspended ceiling		Adverse	Remove	Not applicable	High
07.009	Corbelled brickwork at perimeter of room		Low	Remove in exceptional cases where eg. where adjacent new lift shafts	Cut back neatly to a square edge and ensure remaining section is secure.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
07.010	Plywood floor		Adverse	Replace with hardwood floor boards	Not applicable	High
07.011	Timber thresholds at external doors and internal doors between main corridor and individual rooms		Low	Remove to enable level access	Splice extensions to door jambs, extend width of bottom rail of doors to match existing	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
07.012	Form new door openings		Moderate	Form new opening as part of re-planning of interiors	New doors and frames to be of their time to avoid confusion about provenance	Moderate
07.013	Stair balustrades		High	Balustrades to be supplemented with additional handrails and supports to mitigate non-compliance with code	New fittings to be of their time and made reversible. Physical intervention to existing stairs and balustrades to be kept to the minimum.	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
07.014	Fixed signs		Low-High	Remove and refix/display in visitors' centre/discard	Record each sign and assess significance individually and treat accordingly	N/A

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
07.015	Exposed roof tiling		Moderate	Retain as existing	Consider insulating between upper and lower layers of roof tiles to provide thermal insulation and vapour barrier	Low
07.016	Concrete floor		Adverse	Overlay with hardwood floor boards	Not applicable	Moderate

08 Ablutions Block

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
08.001	Panelled doors		Low	Replace where necessary to achieve compliance with Building Code	Re-use where possible. Record design on survey drawings where element cannot be re-used.	Moderate
08.002	Rainwater goods		Adverse	Replace with cast iron in pattern to match original and in correct locations	No applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
08.003	Exterior decorations		Adverse	Strip off and redecorate	Sample and analyse existing paint media; select new media to suit substrate and significance	High
08.004	Block existing door openings		Moderate	Block opening as part of re-planning of interior	Retain existing door frame and architraves. Use framing and non-combustible sheet linings to block opening.	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
08.005	Timber roof structure		High	Retain	Not applicable	Neutral
08.006	External stair at west end		Moderate	Retain	Repair as necessary. Alter balustrade to achieve reasonable level of operational safety. Restrict access to repairs and maintenance and means of escape.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
08.007	External airconditioning units and other external services		Adverse	Remove and make good brickwork	Not applicable	High
08.008	Painted signs		High	Protect in situ	Not applicable	N/A

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
08.009	Wire mesh screens		Adverse	Remove	Not applicable	Low
08.010	Internal walls and concrete floors		Low	Remove and rebuild in new configuration to suit new use	Ensure retained facades are fully supported during construction operations. Protect retained walls against damage during demolition works. Install new walls and floors to respect fenestration; avoid	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
					clashes.	
08.011	Cantilever balconies on north side		Moderate	Repair and retain insitu	Not applicable	

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
08.012	Bridge access to Barrack Block		Moderate	Retain	Repair as necessary. Alter balustrade to achieve reasonable level of operational safety. Restrict access to repairs and maintenance and means of escape.	Low
08.013	Balcony balustrades		Low	Repair as necessary and retain. Remove selected sections to enable installation of new bridge connections to Barrack Block.	Avoid removal of associated iron columns. Form interventions at selected positions so as to maintain the rhythm of the balustrades and ensure proper support at ends.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
08.014	Single-storey outbuilding with pitched roof over		Low	Demolish to make way for new loading bay.	Record on measured survey drawings. Infill existing internal opening leaving reveals exposed. Tooth-in new brickwork at abutments after existing walls removed. Salvage cast iron columns for possible re-use.	Low
08.015	Corrugated steel sheet on balcony balustrades		Adverse	Remove	Not applicable	Low

09 Magistracy

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
09.001	Lay-in grid suspended ceiling		Adverse	Remove	Not applicable	High
09.002	Modern partitions		Adverse	Remove	Not applicable	N/A

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
09.003	Internal walls		Moderate	Remove selected internal walls where strictly necessary as part of re-planning of interiors	Walls or early or original date to be retained in part eg. By leaving a "nib" where the wall is bonded to another wall. At the point where the wall is cut away, form the cut-line on the line of a vertical joint in alternate courses. Bricks in the remaining courses to be left "as cut", and not re-bonded, as evidence of the current condition.	Moderate
09.004	Plaster box cornice		Moderate	Remove in exceptional cases eg. Where adjacent new lift shafts	Cut back neatly to a square edge and ensure remaining section is secure.	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
09.005	Panelled doors		Moderate	Replace where necessary to achieve fire resistance to comply with Code	Re-use where possible. Record design on survey drawings where element cannot be re-used.	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
09.006	Block existing door openings		Moderate	Block opening as part of re-planning of interior	Retain existing door frame and architraves. Use framing and non-combustible sheet linings to block opening.	Moderate
09.007	Form new door openings		Moderate	Form new opening as part of re-planning of interiors	New doors and frames to be of their time to avoid confusion about provenance	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
09.008	Stair balustrades		High	Balustrades to be supplemented with additional handrails and supports to mitigate non-compliance with code	New fittings to be of their time and made reversible. Physical intervention to existing stairs and balustrades to be kept to the minimum.	Moderate
09.009	Fixed signs		Low-High	Remove and refix/display in visitors' centre/discard	Record each sign and assess significance individually and treat accordingly	N/A

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
09.010	External airconditioning units and other external services		Adverse	Remove and make good brickwork	Not applicable	High
09.011	Pitched roofs		High	New penetrations through roofs for ventilation ducts and other services	Arrange new penetrations so that they conform with the geometry of the existing roof. Model the size and shape of the new ducts so that the impact on the roofscape is minimised. Finish the new ducts in a non-reflective material that is neutral in colour and mid-tone.	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
09.012	Rainwater goods		Moderate	Replace with larger sizes/closer spacing to improve performance	Use cast iron to match original pattern Make good all redundant fixing holes	High
09.013	Metal walkways across lightwell		Adverse	Remove walkways and make good brickwork at abutments	Not applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
09.014	Altered doors and windows		Adverse	Repair or renew as necessary existing frames to match original patterns	Not applicable	High
09.015	Sloping canopy over external stair on west side		Adverse	Remove canopy and supporting structure	Not applicable	Moderate

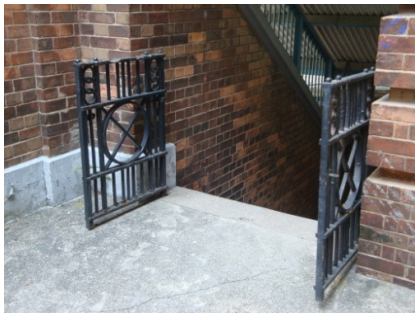
Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
09.016	Single storey secure shelter at North West corner		Low	Demolish	Make good brickwork at abutments.	Low
09.017	Iron railing adjacent south side of item 09.016 above		Moderate	Retain; including remains of bars (now removed) between existing railings and east side of Barracks Block.	Not applicable	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
09.018	Public toilets in 09/LG1/17, 24		Adverse	Strip out sanitaryware, and fit-out for pottery display/service access. Form new door openings in east walls.	Retain existing door openings and metal-barred gates. Retain external granite steps and existing ground level.	Low
09.019	Cell doors		High	Re-open to provide access to Retail space	Retain existing iron gate	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
09.020	Meeting room at G/02-05		Moderate	Remove timber panelling from walls and sub divide to form new toilets and lift shaft	Record existing wall linings, and any earlier lining behind, on measured survey drawings.	Moderate
09.021	Lobbies within entrance hall G/12		Adverse	Remove	Not applicable	N/A

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
09.022	Public galleries on FF		Adverse	Strip out plant, remove partition walls and restore galleries	Not applicable	High
09.023	Chimney piece		Moderate	Retain	Not applicable	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
09.024	Lanterns above entrance hall		Adverse	Remove existing lanterns and install single lantern	Not applicable	Moderate
09.025	Boarded ceilings on Second Floor		High	Repair and retain where possible	Limit extent of penetrations as far as practicable. Record on measured survey drawings where ceilings have exceptionally to be removed.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
09.026	Iron gates at top of external stair		Moderate	Retain	No applicable	Neutral
09.027	Iron balustrade adjacent terrace at First Floor east side		High	Retain; install structural glass balustrade inboard of ironwork to provide compliance with Building Codes	Avoid penetration of existing tiled pavement when fixing glass balustrade.	Low

10 Assistant Superintendent's Office

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
10.001	Lay-in grid suspended ceiling		Adverse	Remove	Not applicable	High
10.002	Plaster box cornice		Moderate	Remove in exceptional cases eg. Where adjacent new lift shafts	Cut back neatly to a square edge and ensure remaining section is secure.	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
10.003	Panelled doors and linings		Moderate	Replace where necessary to achieve fire resistance to comply with Code	Re-use where possible. Record design on survey drawings where element cannot be re-used.	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
10.004	Timber boarded floor with moulded skirtings		High	Repair as necessary and retain	Lift carefully and refix upon completion of fire-proofing and services installation	Low
10.005	Exterior decorations		Adverse	Strip off and redecorate	Sample and analyse existing paint media; select new media to suit substrate and significance	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
10.006	Block existing door openings		Moderate	Block opening as part of re-planning of interior	Retain existing door frame and architraves. Use framing and non-combustible sheet linings to block opening.	Moderate
10.007	Form new door openings		Moderate	Form new opening as part of re-planning of interiors	New doors and frames to be of their time to avoid confusion about provenance	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
10.008	Altered doors and windows		Adverse	Repair or renew as necessary existing frames to match original patterns	Not applicable	High
10.009	External airconditioning units and other external services		Adverse	Remove and make good brickwork	Not applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
10.010	Stair balustrades		High	Balustrades to be supplemented with additional handrails and supports to mitigate non-compliance with code	New fittings to be of their time and made reversible. Physical intervention to existing stairs and balustrades to be kept to the minimum.	Moderate

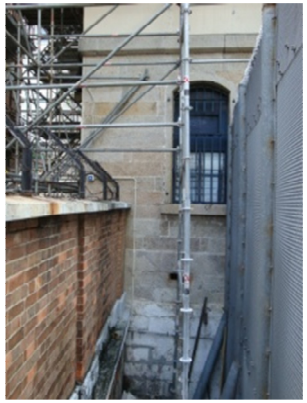
Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
10.011	Fixed signs		Low-High	Remove and refix/display in visitors' centre/discard	Record each sign and assess significance individually and treat accordingly	N/A
10.012	Pitched roofs		High	New penetrations through roofs for ventilation ducts and other services	Arrange new penetrations so that they conform with the geometry of the existing roof. Model the size and shape of the new ducts so that the impact on the roofscape is minimised. Finish the new ducts in a non-reflective material that is neutral in colour and mid-tone.	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
10.013	Internal walls		Moderate	Remove selected internal walls where strictly necessary as part of re-planning of interiors	Walls or early or original date to be retained in part eg. By leaving a "nib" where the wall is bonded to another wall. At the point where the wall is cut away, form the cut-line on the line of a vertical joint in alternate courses. Bricks in the remaining courses to be left "as cut", and not re-bonded, as evidence of the current condition.	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
10.014	Partitions on SF		Moderate	Remove partitions	Record partitions on measured drawings	Moderate
10.015	Blocked windows on south elevation of south-east wing		Adverse	Re-open window openings and reinstate window frames and glazing	Not applicable	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
10.016	Open-joisted ceiling on Ground Floor of south-east wing		Moderate	Underline floor to provide fire protection.	Avoid intrusive alteration. Use fire-proofing products and methods that enable existing structure and boarding to be retained.	Low
10.017	Moulded timber picture rail		Low	Repair and retain	Not applicable	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
10.018	Timber roof structure above south-east wing		Moderate	Repair as necessary and retain	Avoid intrusive alteration. Retain open appearance/	Low
10.019	Timber stair		Moderate	Underline with fire-resisting lining	Repair as necessary and retain.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
10.020	Clay/terrazzo tile floor on Ground Floor and steps		Adverse	Adjust levels to enable level access and replace floor finish	Not applicable	Low
10.024	Granite wall on North elevation		High	Construct new external steps adjacent wall	Keep new stair clear of wall; avoid any physical connection between steps and wall.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
10.025	Single storey outbuilding at South East corner		Moderate	Demolish outbuilding and make good at abutments	Record outbuilding on measured drawings	Low
10.026	Blocked archway on East elevation		Adverse	Demolish infilling and re-open archway	Protect original arch and jambs against damage during demolition	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
10.027	Chimney on east elevation		Low	Retain	Not applicable	Neutral
10.028	Cantilever balconies		High	Repair as necessary and retain	Avoid intrusive interventions. Restrict access if necessary to retain existing appearance.	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
10.029	Steps on east elevation		Moderate	Repair as necessary and retain	Not applicable	Neutral
10.030	Decorative metal screen (See also item 10.026)		Low	Repair and retain	Not applicable	Positive

11 A Hall

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
11.001	Form new door openings		Low	Form new opening as part of re-planning of interiors	New doors and frames to be of their time to avoid confusion about provenance	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
11.002	External airconditioning units and other external services		Adverse	Remove and make good brickwork	Not applicable	High
11.003	Painted signs		High	Protect in situ	Not applicable	N/A

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
11.004	Fixed signs		Low-High	Remove and refix/display in visitors' centre/discard	Record each sign and assess significance individually and treat accordingly	N/A
11.005	Concrete stairs		Low	Remove and rebuild as part of re-planning of interiors	None	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
11.006	Flat roof		Low	Form new rooftop extension at West end to accommodate fire escape stair	Form straight joint at abutment with building 08 Ablutions Block	Low
11.007	Security screen at roof level		Low	Remove	Record on measured survey drawings	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
11.008	Rainwater goods		Adverse	Replace with cast iron in pattern to match original and in correct locations	Not applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
11.009	Rainwater goods		Low	Remove embedded cast iron pipework set into wall to reduce long term maintenance burden	Record on measured survey drawings. Make good cavity.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
11.010	Timber doors		Low	Repair and retain	Not applicable	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
11.011	Security screen and door at First Floor		Low	Remove	Record on measured survey drawings	Low
11.012	Door thresholds and plinth		Low	Retain; remove paint media from plinth and brickwork	Not applicable	Neutral

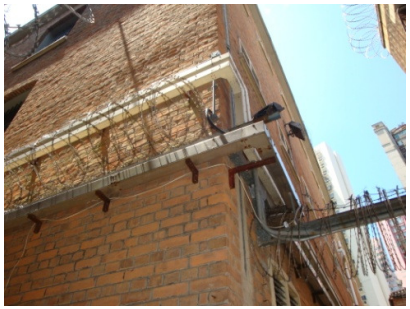
Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
11.013	Metal louvres on window openings		Adverse	Remove	Not applicable	Low

12 B Hall

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
12.001	Flat roof		Moderate	Repair and retain	Avoid roof penetrations as far as possible	Low
12.002	Cells at GF level		High	Remove cells in selected locations to accommodate new North-South route across site	Record existing layout on measured survey drawings. Limit number of cells affected to the minimum necessary. Retain floor structure above. Retain remainder of cells at this level for interpretation	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
12.003	External airconditioning units and other external services		Adverse	Remove and make good brickwork	Not applicable	High
12.004	Painted signs		High	Protect in situ	Not applicable	N/A

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
12.005	Fixed signs		Low-High	Remove and refix/display in visitors' centre/discard	Record each sign and assess significance individually and treat accordingly	N/A
12.006	Rainwater goods		Adverse	Replace with cast iron in pattern to match original and in correct locations	Not applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
12.007	Corbelled brickwork at high level in cells		Low	Retain	Not applicable	Neutral
12.008	Barbed wire		Moderate	Remove	Record wire on measured drawings	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
12.009	External walls		Moderate	Form openings in North and South walls in conjunction with new North-South route across site	Cut brickwork to form openings in North and South walls; do not re-bond brickwork.	Moderate

13 C Hall

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
13.001	External airconditioning units and other external services		Adverse	Remove	Not applicable	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
13.002	Door to Ladder Store		Low	Retain	Not applicable	Neutral
13.003	Security bars at window openings		Low	Retain	Not applicable	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
13.004	Flat roof		Low	Retain	Avoid roof penetrations as far as possible.	Low
13.005	Eaves detail		Low	Retain	Not applicable	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
13.006	Cantilever reinforced concrete canopy		Low	Retain	Not applicable	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
13.007	Internal partition walls		Low	Remove as part of re-planning of interiors	Record on measured survey drawings	Low
13.008	Fixed signs		Low-High	Remove and refix/display in visitors' centre/discard	Record each sign and assess significance individually and treat accordingly	N/A

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
13.009	Metal window frames		Moderate	Repair and retain	Not applicable	Neutral
13.010	Internal security screens		Moderate	Retain where possible	Where necessary record on measured survey drawings prior to removal	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
13.011	Coving at abutments between RC beams and walls		Low	Avoid penetrations for services installations as far as possible.	Cut away neatly for services penetrations and make good at abutments.	Low
13.012	Communal cells at Ground Floor		Moderate	Remove as part of re-planning of interiors	Record on measured survey drawings	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
13.013	Rooflight and security bars over communal cells		Moderate	Remove as part of re-planning of interiors	Record on measured survey drawings	Low
13.014	Granite threshold at external door openings		Low	Retain	Not applicable	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
13.015	Timber boarded doors with fanlight over		Low	Repair as necessary and retain	Not applicable	Neutral
13.015	Vinyl tile floor		Adverse	Replace	Not applicable	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact

14 D Hall East Wing

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.001	West entrance at Lower Ground Floor		Moderate	Retain as public entrance at this level.	Retain security gate and granite threshold. Adjust adjacent ground level as necessary to achieve barrier-free access. Pin gate back against adjacent wall in the open position if necessary.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.002	Half-round headed doorway and side lights		Moderate	Retain	Remove air duct and make good masonry above arch.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.003	Granite surround to cells (generally north side, alternating with brick surrounds – see next item)		Moderate	Retain door surround and gate wherever possible.	Pin back gate against wall. Remove paint media to expose granite material.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.004	Brick reveals with bull-nosed arrisses and segmental arch over (generally north side, alternating with granite surrounds – see previous item)		High	Retain door surround and gate wherever possible	Pin back gate against wall	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.005	Arched opening at East end First Floor		Low	Retain as existing	Not applicable	Low
14.006	Concrete floor generally at Lower Ground Floor		Low	Excavate entire floor to install piled underpinning	Record levels on measured survey drawings. Install new floor at the same level.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.007	Part-blocked windows at Lower Ground Floor - extent of blocking varies.		Moderate	Open up window opening to full extent.	Record existing condition on measured survey drawings. Add further detail during demolition works.	Low
14.008	External granite stair from Lower Ground to Ground Floor level		Moderate	Remove stair to make way for new stair in similar position	Review design proposals to see whether existing stair can be retained.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.009	Ashlar pattern on external walls		Moderate	Form new openings for entrance/exit to building	Set out new openings to cause minimum disruption to ashlar pattern. Record existing pattern on measured survey drawings.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.010	Blocked doorway at south-east corner		Low	Preserve blocked opening intact.	Not applicable	Neutral

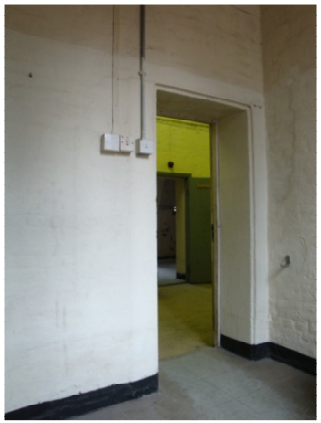
Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.011	Metal security gate and screen		Low	Retain insitu	Pin gate in open position if necessary	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.012	Half-round headed doorway and side lights at Ground Floor west end		Moderate	Retain insitu	Not applicable	Neutral
14.013	Structural steelwork bracing and temporary access stair		Adverse	Remove upon completion of underpinning	Not applicable	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.014	RC staircase at north-east corner		Low	Remove	Record on measured drawings	Low
14.015	Vinyl tile floor on suspended timber floor		Adverse	Remove vinyl tiles and restore boards if possible; alternatively, replace boards with new timber to match other boarded floors elsewhere on the site.	Not applicable	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.016	Cell walls at Ground Floor		Moderate	Retain insitu	Use existing door openings wherever possible. Avoid further alteration to existing altered openings where feasible.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.017	Mortuary		High	Preserve insitu	Avoid any service penetrations from adjacent spaces	Neutral
14.018	Brickwork surrounds to doorways with segmental arches over		Moderate	Increase width in selected locations to allow wheelchairs to pass	Record on measured survey drawings. Limit interventions as far as possible.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.019	Granite surrounds to doorways with lintels over		Moderate	Increase width in selected locations to allow wheelchairs to pass	Record on measured survey drawings. Limit interventions as far as possible.	Low
14.020	Flat ceilings at Ground Floor		Low	Form penetrations for services installations where necessary	Avoid disruption of beams.	Low

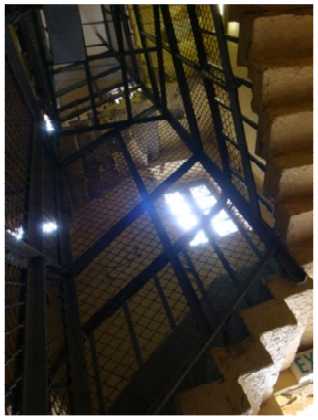
Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.021	Arched opening at east end		Low	Retain insitu	Not applicable	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.022	Top-lit central hall		High	Retain insitu	Not applicable	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.023	Arches across central hall at First Floor		Moderate	Retain insitu	Not applicable	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.024	Inset security gate and screen in First Floor cells		Low	Remove to suit new use	Remove where necessary. Record on measured drawings.	Low

14 D Hall West Wing

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.030	Main stair		High	Remove wire mesh and framing	Record on measured drawings	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.031	Brick vault over central hall at Ground Floor		High	Retain insitu	Not applicable	Neutral
14.032	Terrazzo floor in central hall at Ground floor		Moderate	Remove to enable piled underpinning	Record on measured survey drawings	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.033	Brick vaults above cells		High	Retain insitu	Avoid penetrations for services	Neutral
14.034	Cell walls (later additions)		Moderate	Remove where necessary to accommodate new cafe	Record on measured drawings	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.035	Brickwork spandrels below cell windows on south side at Ground Floor		Moderate	Remove to accommodate new cafe	Record on measured survey drawings	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.036	Cell walls flanking central hall		High	Remove to accommodate new cafe	Record on measured survey drawings. Retain selected cells for interpretation purposes.	Moderate

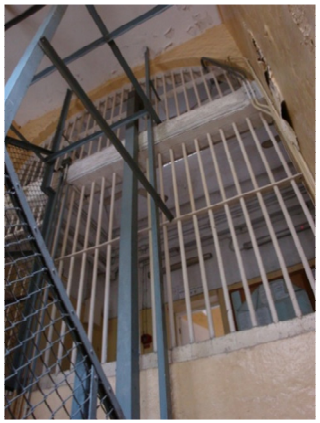
Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.037	Cell floors		Low	Remove to enable piled underpinning	Record on measured survey drawings	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.038	Partition wall across central hall at Ground Floor		Low	Remove to accommodate new cafe	Record on measured survey drawings	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.039	Granite pavement in cross-passage between East and West Wings		Moderate	Repair as necessary and retain insitu	Not applicable	Neutral
14.040	Granite threshold at doorway between cross-passage and East Wing		Moderate	Retain insitu	Not applicable	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.041	Brick vault over cross-passage		High	Retain insitu	Avoid any services penetrations	Neutral
14.042	Granite floor in central hall at First Floor		Moderate	Retain insitu	Repair where necessary	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.043	Cell walls flanking central hall at First Floor		High	Retain insitu	Not applicable	Neutral
14.044	Brickwork spandrels below cell windows at Second Floor		Moderate	Remove to enable new use	Record on measured drawings. Confine changes to one elevation, north or south.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.045	Metal security screen adjacent main stair		Moderate	Retain insitu	Not applicable	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.046	Double-height central hall at Second Floor		High	Retain insitu	Not applicable	Neutral

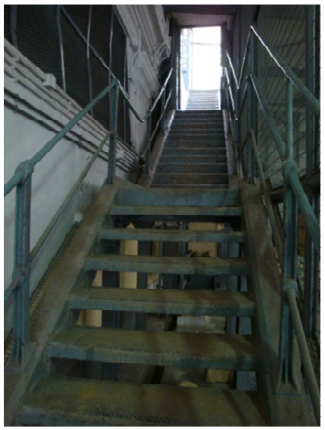
Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.047	View ports adjacent entrance doors		Moderate	Retain insitu	Not applicable	Neutral
14.048	Services installations		Adverse	Remove	Not applicable	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.049	Metalwork and structural steel framing on exterior (typical)		Adverse	Remove	Not applicable	High
14.050	Blind arcade, south elevation		Low	Remove infill brickwork within arched openings at ground level to enable new cafe	Record on measured survey drawings. Observe and record any evidence that brickwork infills were built at the same time as the arched openings or added later	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
14.051	Blind arcade, north elevation		Low	Retain insitu	Not applicable	Neutral
14.052	Fence wall, east end of D Hall Yard		Low	Remove to reinstate access to granite stair to Lower Ground Floor level	Record on measured drawings	Low

15 E Hall

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
15.001	Dividing walls at Lower Ground Floor		Moderate	Remove to enable multi-purpose use	Record on measured survey drawings	Low
15.002	Dividing walls at Lower Ground Floor		Moderate	Remove to enable multi-purpose use	Record on measured survey drawings	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
15.003	Staircase within Laundry Yard		Moderate	Remove to enable construction of Arbuthnot Wing	Record on measured survey drawings	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
15.004	Services installations		Adverse	Remove	Not applicable	Moderate
15.005	Metal louvres over cell window openings		Low	Remove	Record on measured survey drawings	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
15.006	Raised ground level adjacent entrance		Low	Remove to enable level access	Record on measured survey drawings	Low
15.007	Access balconies and apertures		Moderate	Retain apertures	Provide temporary closure as required for operational reasons	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
15.008	Central staircase		High	Retain	Provide secondary staircase within cell blocks to achieve code compliance	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
15.009	Cell walls flanking central hall		High	Retain	Pin back cell doors against walls.	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
15.010	Services installations		Adverse	Remove	Not applicable	Moderate
15.011	Balcony balustrades		Moderate	Retain	Install wire net across aperture to avoid need to upgrade balustrade to meet Building Code requirements	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
15.012	Second Floor central hall		High	Retain	Not applicable	Neutral

17 F Hall

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
17.001	Lay-in grid suspended ceiling		Adverse	Remove	Not applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
17.002	Rainwater goods		Low	Remove existing RWPs and install new RWPs externally on North and South Elevations	Improve roof drainage to avoid ponding	Low
17.003	Exterior decorations		Adverse	Strip off and redecorate	Sample and analyse existing paint media; select new media to suit substrate and significance	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
17.004	External airconditioning units and other external services		Adverse	Remove and make good brickwork	Not applicable	High
17.005	Fixed signs		Moderate	Remove and refix/display in visitors' centre/discard	Record each sign and assess significance individually and treat accordingly	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
17.006	Security screen at First Floor entrance		Low	Remove	Record on measured drawings	Low
17.007	Metal windows		Moderate	Remove at First Floor to accommodate gallery space and block structural openings with blockwork	Record on measured drawings.	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
17.008	Fixed furniture		Moderate	Remove to accommodate gallery space	None	Low
17.009	Security screens		Moderate	Remove to accommodate gallery space	Record on measured drawings	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
17.010	Timber windows		Moderate	Remove at First Floor to accommodate gallery space and block structural openings with blockwork	Record on measured drawings	Moderate
17.011	Communal washing/lavatory facilities		Moderate	Remove to accommodate gallery space	Record on measured drawings	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
17.012	Blocked up lantern light		Low	Unblock lantern and fit glazing	Record on measured drawings	Low
17.013	Security gates at Ground openings		Moderate	Remove to enable access to Ground Floor gallery space	Record on measured drawings	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
17.014	Interview booths		High	Remove to accommodate new gallery	Rebuild in new location	Moderate
17.015	External stair to First Floor		Moderate	Upgrade balustrade to comply with Building Code	Record on measured drawings. Supplement existing balustrade elements with minimal elements if necessary.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
17.016	Ground Floor main entrance		Low	Retain as existing.	Keep fixed shut if not required for operational use.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
17.017	Security screen at Ground Floor main entrance		Low	Remove to accommodate gallery space	Record on measured drawings	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
17.018	Blue Entrance Gate (facing Old Bailey Street)		High	Retain in situ	Maintain in working order	Neutral
17.019	Blue Entrance Gate (inner) and enclosed yard		Moderate	Retain gate and enclosing walls and roof in situ; remove cupboards.	Repair and maintain gate in working order	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
17.020	Blue Entrance Gate (inner) facing Prison Yard		Moderate	Retain gate and enclosing frame	Repair and maintain in working order	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
17.021	Barbed wire		Moderate	Remove	Record on measured drawings. Make good fixing points where attached to brickwork.	Low

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
17.022	Metal security bars at windows		Moderate	Remove as part of blocking up window openings to accommodate gallery space at First Floor	Record on measured drawings	Low
17.023	External toilets at Ground Floor adjacent East elevation		Low	Remove	Record on measured drawings	Low

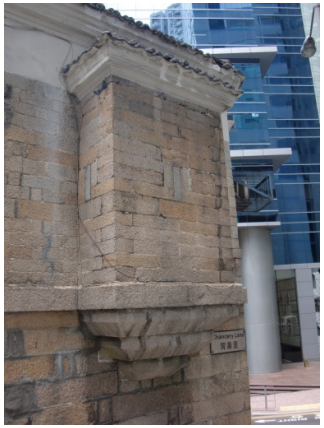
Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
17.024	Open Visit Room		Low	Space reallocated to other uses	Record on measured drawings. Salvage entrance sign and re-use in new layout of interview booths.	Low

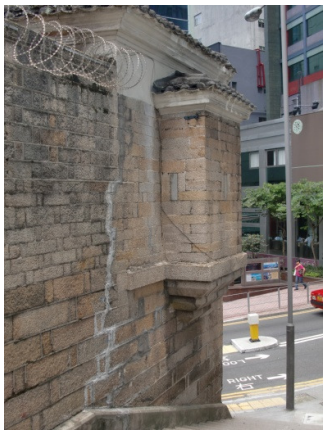
19 Bauhinia House

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
19.001	Pitched roofs		High	New penetrations through roofs for ventilation ducts and other services	Arrange new penetrations so that they conform with the geometry of the existing roof. Model the size and shape of the new ducts so that the impact on the roofscape is minimised. Finish the new ducts in a non-reflective material that is neutral in colour and mid-tone.	High
19.002	Chimney		High	Repair and retain	Not applicable	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
19.003	Rainwater goods and other external services		Adverse	Remove and make good wall surface. Replace defective and non-matching rainwater goods with cast iron fittings to match original.	Not applicable	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
19.004	External stone wall facing		High	Carry out close inspection of painted areas to determine extent of original granite facing and remove paint media where applicable.	Not applicable	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
19.005	Gun loops		High	Remove concrete infilling and make good stonework where necessary.	Not applicable	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
19.006	Look-out turret		High	Repair and retain insitu	Not applicable	Neutral

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
19.007	Windows		Moderate	Remove and make good stonework as necessary	Record existing windows on measured survey drawings	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
19.008	Modern partitions		Adverse	Remove	Not applicable	Moderate

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
19.009	Electrical services		Adverse	Remove	Not applicable	Moderate
19.010	Lay-in grid suspended ceiling		Adverse	Remove	Not applicable	High

Element no.	Description	Photo ref.	Significance	Proposal	Mitigation	Impact
19.011	Exposed timber roof structure		High	Repair and retain insitu	Not applicable	Neutral
19.012	Timber stair		Moderate	Remove	Record on measured surveys drawings	Low