

The Jockey Club CPS Limited

Central Police Station Conservation
and Revitalisation Project:
First Monthly EM&A Report
(From 24 October 2011 to 30
November 2011)

Issue Date: December 2011

Environmental Resources Management

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*First Monthly EM&A Report
(From 24 October 2011 to 30
November 2011)*

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Reference 0095646

For and on behalf of ERM-Hong Kong, Limited
Approved by: <u>Frank Wan</u>
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Date: <u>14 December 2011</u>

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

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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 first monthly Environmental Monitoring and Audit (EM&A) report presenting the EM&A works carried out during the period from 24 October 2011 to 31 October 2011 and from 1 November 2011 to 30 November 2011 in accordance with the EM&A Manual.

Summary of Construction Works undertaken during Reporting Month

The major construction works undertaken during the reporting month include:

- Erection of hoarding/ site gantry at Arbuthnot Road; and
- Precautionary works to buildings to be demolished (including Block 16 & 18, Minor Buildings and Revetment Wall).

Environmental Monitoring and Audit Progress

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

- | | |
|---|---------|
| • Construction Noise Monitoring during normal weekdays at each monitoring station | 6 times |
| • Joint Environmental Site Inspection | 1 time |
| • Joint Heritage Site Inspection | 1 time |
| • Landscape & Visual Monitoring | 1 time |
| • Tree Inspection | 2 times |
| • Vibration monitoring | 0 time |

Noise

6 sets of 30-minute construction noise measurements were carried out at each of the monitoring stations (N2 and N6) during normal weekdays of the reporting period. No exceedance of Action and Limit Levels of construction noise was recorded during the reporting period.

Landscape & Visual

Landscape and visual monitoring has commenced since October 2011 on a monthly basis. In view of the short period from 24 October 2011 to 31 October 2011 and no major construction works have commenced, only one landscape and visual monitoring was conducted in the reporting period. Two tree inspections have been conducted by the arborist during the reporting period. Some cleaning tools/rubbish and undergrowth were observed at the planter, and no protective fence was installed. The Contractor has implemented the mitigation measures as recommended.

Cultural Heritage

No vibration monitoring was conducted in this reporting period as the construction of foundation has not commenced yet.

Heritage site audit was conducted. The Contractor has generally implemented the mitigation measures as recommended. A few observations were identified for the Contractor to follow-up.

Waste Management

Wastes generated from this Project include inert construction and demolition (C&D) materials and non-inert C&D materials. No inert C&D material was generated, and 33.5 tonnes of non-inert C&D materials were generated during the reporting period. No chemical waste was generated during the reporting period. Non-inert C&D materials are made up of general refuse, steel materials and paper/cardboard packaging materials. The non-inert C&D materials and general refuse generated from the Project were disposed of at the SENT Landfill. 28,610 kg of steel material, 6 kg of plastics and 38 kg of paper/cardboard packaging were generated and were sent to recyclers for recycling.

Environmental Site Inspection

A joint environmental site inspection was carried out by the representatives of the Contractor, the IEC and the ET on 15 October 2011. The Contractor has generally implemented the mitigation measures as recommended. A few observations were identified for the Contractor to follow-up.

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

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

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

No environmental complaint and summons/prosecutions was received in this reporting period.

Future Key Issues

Works to be undertaken in the next month include:

- Precautionary works to buildings to be demolished;
- Demolition Works (including Block 16 & 18, Minor Buildings and Revetment Wall near Block 8);
- Sundry Enabling/ Opening Up Works;
- Trial Pit; and
- Trial Piling at Middle/ Upper Platform.

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

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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 first EM&A report which summarises the impact monitoring results and audit findings for the EM&A programme during the reporting period from **24 October 2011** to **31 October 2011** and from **1 November 2011** to **30 November 2011**. It was agreed by the ET, IEC and the Contractor during the kick-off meeting to combine the October and November reports for the first EM&A report.

1.2 *STRUCTURE OF THE REPORT*

The structure of the report is as follows:

Section 1 : **Introduction**

details the scope and structure of the report.

Section 2 : **Project Information**

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

Section 3 : **Environmental Monitoring Requirement**

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 results obtained in the reporting period.

Section 6 : **Environmental Site Auditing**

summarises the audit findings of the weekly site inspections undertaken within the reporting period.

Section 7 : **Environmental Non-conformance**

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

Section 8 : **Future Key Issues**

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

Section 9 : **Review of EM&A Data and EIA Predictions**

compares and contrasts the EM&A data in the month with the EIA predictions and annotates with explanation for any discrepancies.

Section 10 : **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 CPS Limited.

2.2 SITE DESCRIPTION

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

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

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

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

2.3 CONSTRUCTION ACTIVITIES

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

Table 2.1 *Summary of Construction Activities Undertaken from 24 October 2011 to 30 November 2011*

Construction Activities Undertaken
<ul style="list-style-type: none"> Erection of hoarding/ site gantry at Arbuthnot Road Precautionary works to buildings to be demolished (including Block 16&18, Minor Buildings and Revetment Wall)

2.4 PROJECT ORGANISATION

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

2.5 STATUS OF ENVIRONMENTAL APPROVAL DOCUMENTS

A summary of the relevant permits, licences, and/or notifications on environmental protection for this Project since the granting of the EP 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	Throughout the Contract	Permit granted on 14 April 2011
Notification of Construction Works as required under <i>Air Pollution Control (Construction Dust) Regulation</i>	Ref. No. 332920	Throughout the Contract	-
Registration of Waste Producer under <i>Waste Disposal Ordinance</i>	Waste Producer No.: 5213-122-G2347-25	Throughout the Contract	-
Effluent Discharge License under <i>Water Pollution Control Ordinance</i>	License No. WT00010633-2011	21 Oct 2011 - 31 Oct 2016	-
Notification of Commencement of Asbestos Abatement Work under <i>Air Pollution Control Ordinance</i>	-	Throughout the Contract	-

3.1 NOISE MONITORING

3.1.1 Monitoring Location

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

Table 3.1 Construction Phase Noise Monitoring Station

Monitoring Location	Proposed Construction Noise Monitoring Station			
	ID in EM&A Manual	ID	Type of Measurement	Remark
Rooftop of Ho Fook Building	N2	N2	Façade	-
Rooftop of Chancery Mansion	---	N6	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.

3.1.2 Monitoring Parameters, Frequency and Programme

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

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

3.1.3 Monitoring Equipment and Methodology

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

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

Table 3.2 *Noise Monitoring Equipment*

Monitoring Stations	Monitoring Equipment (Sound Level Meter and Calibrator)
N2, N6	<u>Calibrator</u> Rion NC-73 (S/N 10997142) <u>Sound Level Meter</u> Rion-NA27 (S/N 00201194), Rion-NL31 (S/N 00603867), or Rion-NL52 (S/N 00710259)

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	Noise Criteria, $L_{eq(30mins), dB(A)}$	Remark
N2	75	Applicable during 0700 – 1900 hours, Monday to Saturday.
N6	75	Applicable during 0700 – 1900 hours, Monday to Saturday.

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

3.1.5 *Mitigation Measures*

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

3.2 *CULTURAL HERITAGE*

3.2.1 *Vibration Monitoring*

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

The vibration control limits and vibration monitoring proposal are still under discussion with AMO.

Vibration monitoring has not started yet as the site formation and excavation and lateral support works have not commenced yet.

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 G*.

3.3 *LANDSCAPE AND VISUAL MONITORING*

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

3.3.1 *Mitigation Measures*

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

3.4 *ENVIRONMENTAL REQUIREMENTS IN CONTRACT DOCUMENTS*

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

IMPLEMENTATION STATUS ON ENVIRONMENTAL PROTECTION REQUIREMENTS

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

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

Table 4.1 *Status of Required Submissions*

EP Condition	Submission	Submission Date
Condition 1.11	Notification on Commencement of Construction of the Project	8 September 2011
Condition 2.3	Deposition of "Proposal of Procedures for Handling Enquiries, Complaints and Request for Information Concerning the Environmental Effects of Construction Works of the Project"	23 November 2011
Condition 2.4	Notification on Management Organization of the Main Construction Company	6 October 2011
Condition 2.5	Deposition of Construction Programme and Location Plan	7 October 2011
Condition 3.3	Submission of Baseline Monitoring Report	7 October 2011
Appendix, Part A (2) (i)	Submission of Archaeological Investigation Report	20 September 2011
Appendix, Part A (2) (l)	Audit on Heritage Aspect	21 October 2011

5.1 NOISE

A total of 6 sets of 30-minute construction noise measurements were carried out at the monitoring stations (N2 and N6) during normal weekdays of the reporting period. The monitoring results together with graphical presentations are presented in *Annex H*. The local impacts observed near the monitoring stations of N2 and N6 were summarized below:

- N2: traffic noise from Old Bailey Street and construction noise from activities including scaffolding and the use of compressor and breaker.
- N6: traffic noise from Chancery Lane and Arbuthnot Road

No exceedance of Action and Limit Levels of construction noise was recorded during the reporting period.

5.2 LANDSCAPE AND VISUAL

The tree inspection was conducted by the arborist on 27 October and 24 November 2011 and major findings and recommendations in the reporting period are summarized as *Table 5.1*. The tree inspection reports are contained in *Annex K*.

Table 5.1 Findings of Monthly Tree Inspection in the Reporting Period

Tree No.	Botanical Name	Overall Health Condition	Arborist's Observation / Recommendations
<i>27 October 2011</i>			
Tree -5	<i>Mangifera indica</i>	Good	<ul style="list-style-type: none"> • To remove the cleaning tools away from the planter. • To clear the rubbish at the planter. • To link up the protective fence.
Tree -6	<i>Aleurites moluccana</i>	Fair	<ul style="list-style-type: none"> • To remove the construction debris away from the planter. • To clear the rubbish at the planter. • To remove the trolley away from the cordon area.
Tree-7	<i>Aleurites moluccana</i>	Fair	<ul style="list-style-type: none"> • To remove the broom away from the planter
Tree-8	<i>Plumeria rubra</i>	Fair	<ul style="list-style-type: none"> • To remove the construction debris away from the planter
Tree-9	<i>Araucaria cunninghamia</i>	Fair	<ul style="list-style-type: none"> • To clear all the under-growth at the planter. • To remove the rubbish away from the planter.

Tree No.	Botanical Name	Overall Health Condition	Arborist's Observation / Recommendations
Tree-11	<i>Dracaena marginata</i>	Fair	<ul style="list-style-type: none"> To clear the under-growth at the planter. To remove the rubbish away from the planter. To install protective fence 1.2m height surrounding the tree and fence wraps with reflex mesh
24 November 2011			
Tree -5	<i>Mangifera indica</i>	Good	The planter is clean and tidy
Tree -6	<i>Aleurites moluccana</i>	Fair	The planter is clean and tidy
Tree-7	<i>Aleurites moluccana</i>	Fair	The planter is clean and tidy
Tree-8	<i>Plumeria rubra</i>	Fair	The planter is clean and tidy.
Tree-9	<i>Araucaria cunninghamia</i>	Fair	The planter is clean and tidy.
Tree-11	<i>Dracaena marginata</i>	Fair	The planter is clean and tidy.
General recommendation for all trees			To erect protective fence 2.5m high beyond the crown spread or the designated protection zone of all existing trees. The protection fence shall come with a padlocked door, access to it shall be restricted only to workers directly involved in tree work. No construction equipment or materials shall breach the cordon zone (CZ). No heat or fume shall drift into the CZ. No lifted materials shall sail above the CZ.

Findings from the site inspection on the Landscape and Visual resources are summarised in *Annex G*.

5.3

CULTURAL HERITAGE

No vibration monitoring has been conducted during the reporting period as the construction of foundation has not commenced yet.

In view of the short period from 24 October 2011 to 31 October 2011 and no major construction works have commenced, only one site audit was conducted in the reporting period on 15 November 2011 by the Heritage Checker and the audit findings are summarised below:

- Reveals overhead canopy and gateway of the Blue gate were not protected. The Contractor was reminded to provide protection to overhead canopy with metal pole and fixed the reveals gateway with black & yellow tape for driver attention.
- Vehicle barriers should be installed at adjacent Service Corridor Block 01 to protect iron grillers at ground level. The Contractor has proposed the installation of a chain link protection fence to AMO and it will be installed once AMO approval was obtained.

- Parapet copings on balustrades should be protected when loading and unloading heavy plant/materials. The Contractor has proposed the installation of chain link protection fence to AMO and it will be installed once AMO approval was obtained.

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

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 general refuse, steel and paper/cardboard packaging materials. Steel materials generated from the Project were also grouped into non-inert C&D materials as the materials were not disposed of with other inert C&D materials. With reference to relevant handling records and trip tickets of this Project, the quantities of different types of waste generated in the reporting period are summarised in *Table 5.2*. The non-inert C&D materials and general refuse generated from the Project were disposed of at the SENT Landfill. A total of 28,610 kg of metals (steel materials), 38 kg of paper/cardboard packaging and 6 kg of plastics were generated during the reporting period.

Table 5.2 Quantities of Waste Generated from the Project

Month/ Year	Quantity					
	C&D Materials (inert) ^(a)	C&D Materials (non-inert) ^(b)	Chemical Waste	Recycled materials		
				Paper/ cardboard	Plastics	Metals
October 2011 - November 2011	0 tonnes	33.5 tonnes	0 L	38 kg	6 kg	28,610 kg

Notes:

(a) Inert C&D materials include bricks, concrete, building debris, rubble and excavated soil. Inert C&D materials will be collected by private licensed collector.

(b) Non-inert C&D materials include steel, paper / cardboard packaging waste, plastics and other wastes such as general refuse. Steel materials generated from the project are grouped into non-inert C&D materials as the materials were not disposed of with other inert C&D materials and were recycled. The non-inert C&D materials other than steel, plastics and paper/cardboard packaging were disposed of at SENT Landfill. 28,610 kg of steel material, 6 kg of plastics and 38 kg of paper/cardboard packaging was sent to recyclers for recycling during the reporting period.

In view of the short period from 24 October 2011 to 31 October 2011 and no major construction works have commenced, only one joint environmental site inspection was conducted in the reporting period on 15 November 2011. The joint environmental site inspection was carried out by the representatives of the Contractor, IEC and the ET. There was no non-compliance recorded during the site inspections.

Major findings and recommendations are summarized as follows:

15 November 2011

- The EP was found to be displayed only at the vehicle entrance. The Contractor was recommended to display the EP at all entrances (including the staff and worker entrance).
- A sweeper and plastic garbage bag were observed near tree to be protected (T7) at the Prison Yard. The Contractor was recommended to remove the sweeper immediately and to avoid placing or store any equipment/ materials on the root of the trees to be protected.
- The waste skips at the Parade Ground were found not labelled. The Contractor was recommended to provide proper labels to all waste skips.
- An unused chemical store was found not labelled at the material storage area at the Parade Ground. The Contractor was recommended to provide proper labelling to the chemical store according to the EPD's Code of Practice on the Packaging, Handling and Storage of Chemical Wastes.

Follow-up actions were undertaken within 3 days after the completion of the site audit as reported by the Contractor.

7 *ENVIRONMENTAL NON-CONFORMANCE*

7.1 *SUMMARY OF MONITORING EXCEEDANCE*

No exceedance of the Action and Limit Levels of construction noise was recorded at monitoring station during the reporting period.

7.2 *SUMMARY OF ENVIRONMENTAL NON-COMPLIANCE*

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

7.3 *SUMMARY OF ENVIRONMENTAL COMPLAINT*

No complaint was received during the reporting period.

7.4 *SUMMARY OF ENVIRONMENTAL SUMMONS AND SUCCESSFUL PROSECUTION*

No summons was received during the reporting period.

8.1 KEY ISSUES FOR THE COMING MONTH

Works to be undertaken for the coming monitoring periods are summarized in *Table 8.1*.

Table 8.1 Construction Works to be Undertaken in the Coming One Month

Work to be taken
<ul style="list-style-type: none">• Precautionary works to buildings to be demolished• Demolition Works (including Block 16 & 18, Minor Buildings and Revetment Wall near Block 8)• Sundry Enabling/ Opening Up Works• Trial Pit• Trial Piling at Middle/ Upper Platform

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

8.2 MONITORING SCHEDULE FOR THE NEXT MONTH

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

8.3 CONSTRUCTION PROGRAMME FOR THE NEXT MONTH

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

9.1 NOISE

The EIA predicted the construction noise levels during the day-time period. In this reporting period, no major construction works have commenced and hence direct comparison with predicted EIA noise levels were not appropriate. A comparison hence was made between the baseline noise levels and the monitoring results from the start of the Project (*Table 9.1*).

Table 9.1 *Comparison of the Baseline Noise Levels and Noise Monitoring Results*

Monitoring Station	Baseline Noise Levels	Measured Noise Monitoring Results ^(a)	
	Leq(30mins), dB(A) Average (0700 - 1900 hours on normal weekday)	Leq(30mins), dB(A) Average	Range
N2	65.5	64.0	62.6 - 66.0
N6	64.5	64.2	62.6 - 65.4

Notes:
(a) Average and range of data were calculated for this reporting period.

The monitoring results show that the average and range of 30-minute construction noise levels recorded during the reporting period were about the same as the baseline noise levels, since no major construction works have commenced. Recommended mitigation measures in *Section 5.9.1* of EIA will be implemented throughout the construction period.

9.2 WASTE MANAGEMENT

The estimated amount of waste generated in this Project and the accumulated quantities of waste generated up to this reporting month are presented in *Table 9.2*. No major construction works have commenced in this reporting month. The amount of construction waste and chemical waste generated are minimal. Recommended mitigation measures in *Section 8.5.1* of the EIA will be implemented during the construction stage.

Table 9.2 *Quantity of Actual Amount of C&D Materials, General Wastes and Chemical Wastes Generated and EIA Estimation*

Type of Material	Estimated Amount of Inert C&D Materials and Construction Waste in EIA	Accumulated Actual Amount of Inert C&D Materials and Construction Waste Recorded (a) (b)
Amount of excavated materials	12,900m ³	0m ³
Amount of Inert C&D Materials (Public Fill)	3,540 m ³	0m ³
Amount of Non-inert C&D Materials (Construction Waste)	890 m ³	33.5 tonnes (c)
Chemical Waste	Less than 100L per month	0L
General Refuse	130kg per day	-

Notes:
 (a) The actual amount of C&D Materials was recorded since the commencement of construction works.
 (b) The density of soil and rock (bulked) is about 1.2 tonnes/m³.
 (c) Including general refuse

9.3 CONCLUSION OF REVIEW

The EIA predictions against 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, EM&A Manual and the contract documents will continue to be implemented throughout the construction phase of the Project.

The *Environmental Monitoring and Audit (EM&A) Report* presents the EM&A works undertaken during the period from 24 October 2011 to 30 November 2011 in accordance with EM&A Manual and the requirement under EP-408/2011.

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

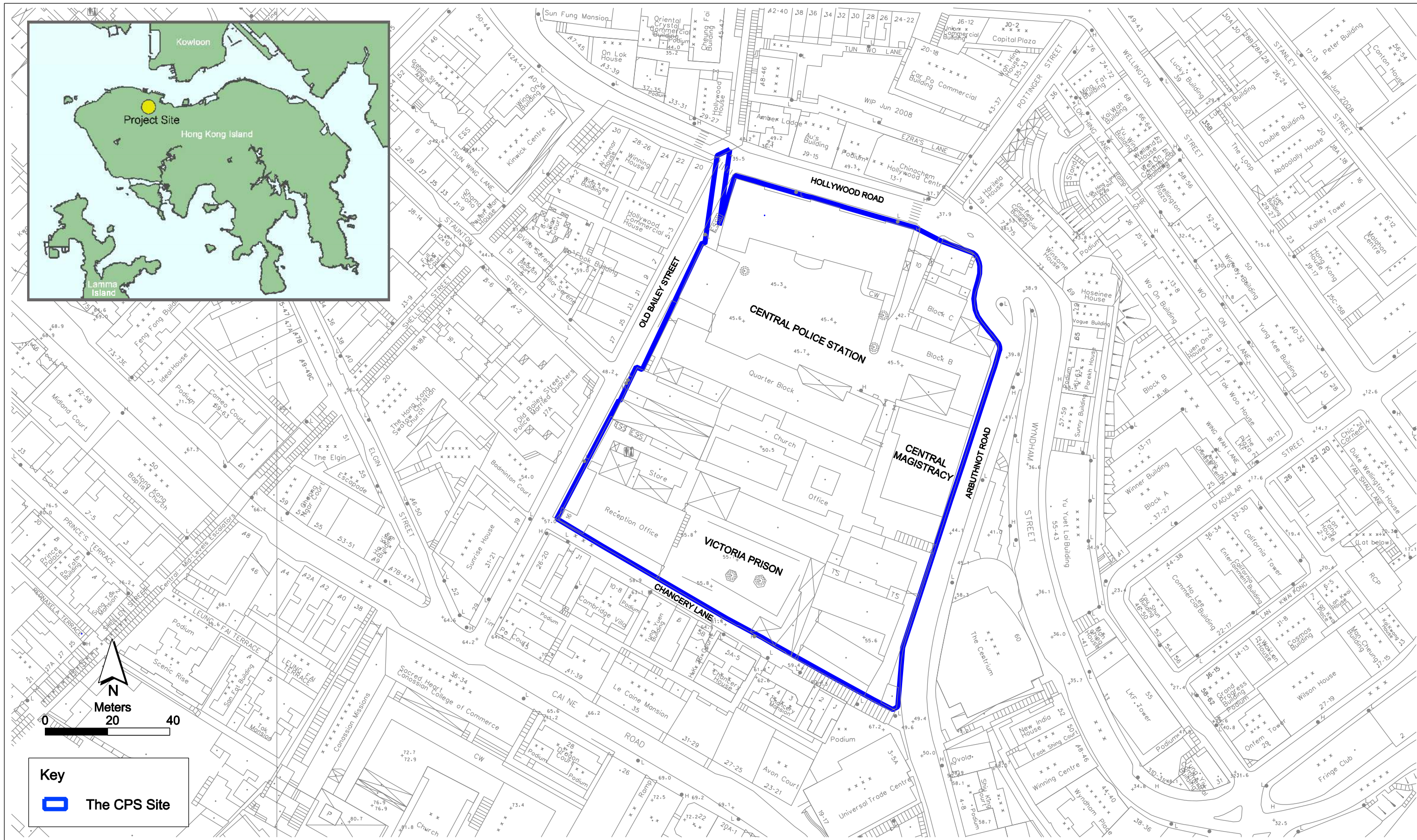
No non-compliance event was recorded during the reporting period.

There was no complaint and summons/prosecution received during the reporting period.

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

Annex A

Locations of Works Areas and the Surroundings



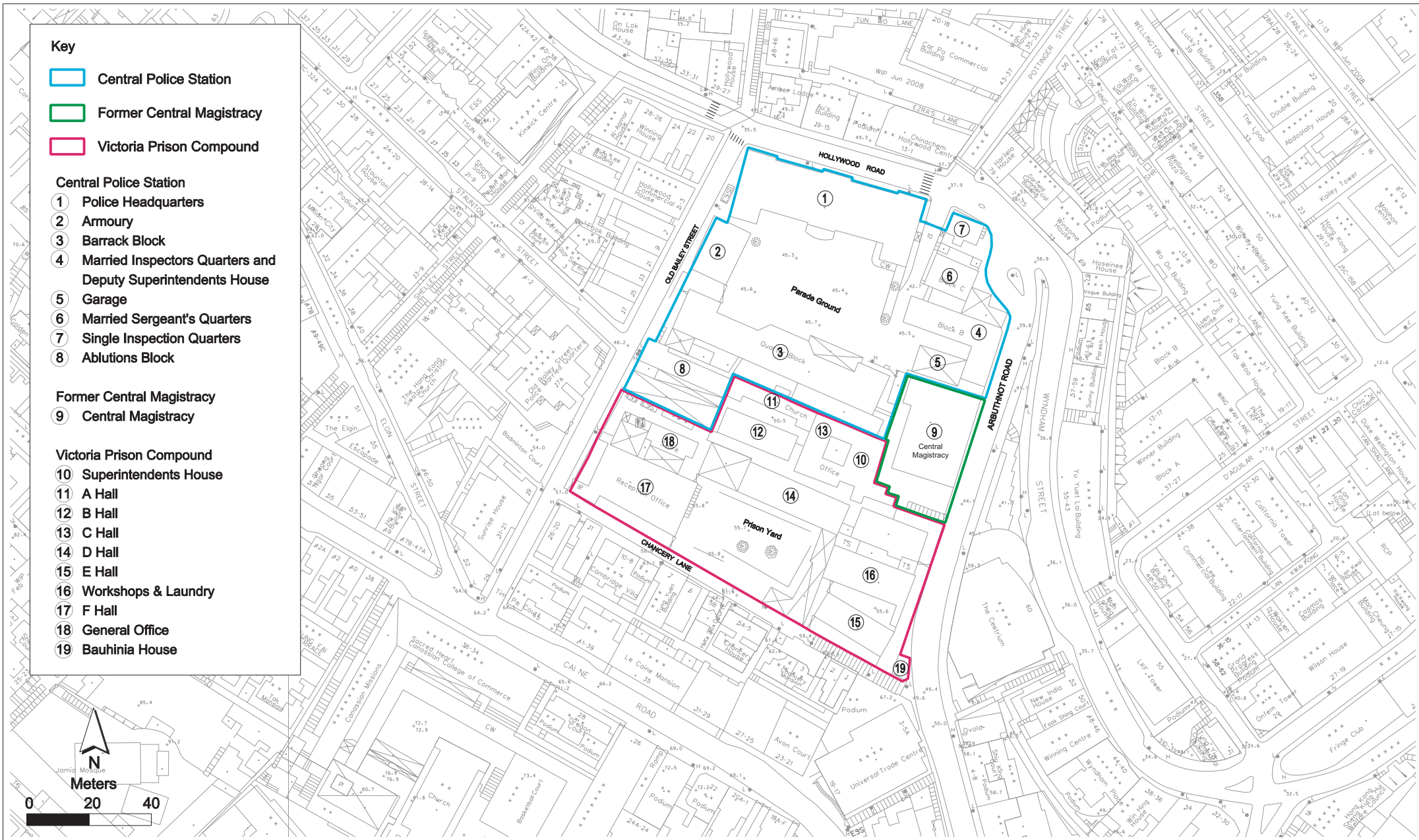
Annex A1

Project Location

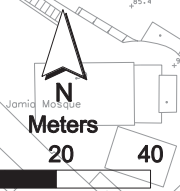
**Environmental
Resources
Management**



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



- Key**
- Central Police Station
 - Former Central Magistracy
 - Victoria Prison Compound
- Central Police Station**
- ① Police Headquarters
 - ② Armoury
 - ③ Barrack Block
 - ④ Married Inspectors Quarters and Deputy Superintendents House
 - ⑤ Garage
 - ⑥ Married Sergeant's Quarters
 - ⑦ Single Inspection Quarters
 - ⑧ Ablutions Block
- Former Central Magistracy**
- ⑨ Central Magistracy
- Victoria Prison Compound**
- ⑩ Superintendents House
 - ⑪ A Hall
 - ⑫ B Hall
 - ⑬ C Hall
 - ⑭ D Hall
 - ⑮ E Hall
 - ⑯ Workshops & Laundry
 - ⑰ F Hall
 - ⑱ General Office
 - ⑲ Bauhinia House



Annex A2

Declared Monuments within the Project Site

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

**Environmental
Resources
Management**



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

Site layout plan marked with works (Oct to Nov - 2011)



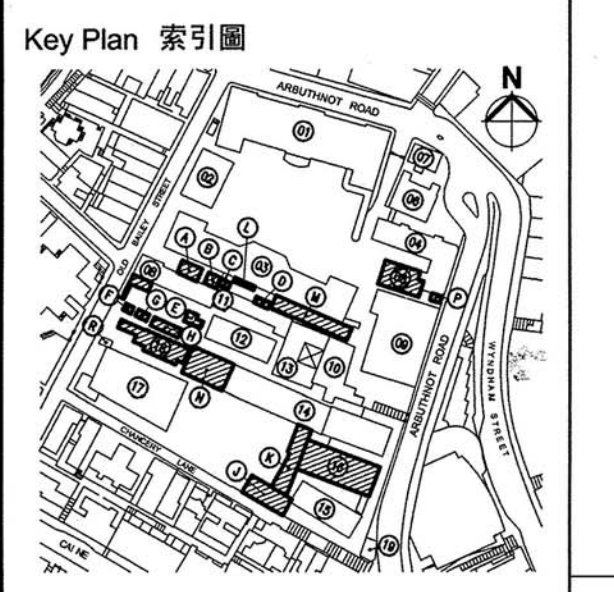
- NOTES**
- ALL DEMOLITION WORK SHALL BE CARRIED OUT MANUALLY BY HAND HELD EQUIPMENT FROM TOP DOWN.
 - PRECAUTIONARY MEASURES SHALL FOLLOW THE HKCOP FOR DEMOLITION OF BUILDINGS 2004.
 - PROPPING SHALL BE PROVIDED UNDERNEATH ALL FOOT SLAB.

- LEGEND**
- 1. Erection of hoarding / site gantry at Old Bailey Street
 - 2. Precautionary works to buildings to be demolished
 - a) Block 16, 18
 - b) Minor Buildings
 - c) Retevment Wall

B.D. Ref. No. 屋宇署檔案編號
22-1/3066/10 (HJ)
F.S.D. Ref. No. 消防處檔案編號

Revision/Submission 修改版/報批	No. 編號	Description 說明	Date 日期	Approved 簽定
	01	TENDER	08/11	T.H.
	02	BD SUBMISSION	08/11	T.H.

Plan Approved
Chan Yuen-ming
CHAN Yuen-ming, Mary
Senior Building Surveyor
for BUILDING AUTHORITY
- 6 OCT 2011



BD SUBMISSION
Drawing Status 製圖狀況

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切勿直接從圖紙上量度尺寸。

Check and verify all dimensions on site.
所有尺寸必須在工地現場複查及審核。

Read this drawing in conjunction with the specifications and all other related drawings.
此圖紙必須與規格說明書及其他有關圖紙一併閱讀。

Notify the relevant consultants immediately if any discrepancy found herein.
如發現內容有任何謬誤之處，應立刻通知有關顧問公司。

Client 業主
香港賽馬會慈善信託基金
The Hong Kong Jockey Club Charities Trust

Design Consultant
HERZOG & DE MEURON

Conservation Architect
ROCCO
許李

Architect / AP
ARUP
E & M Engineer
JRP

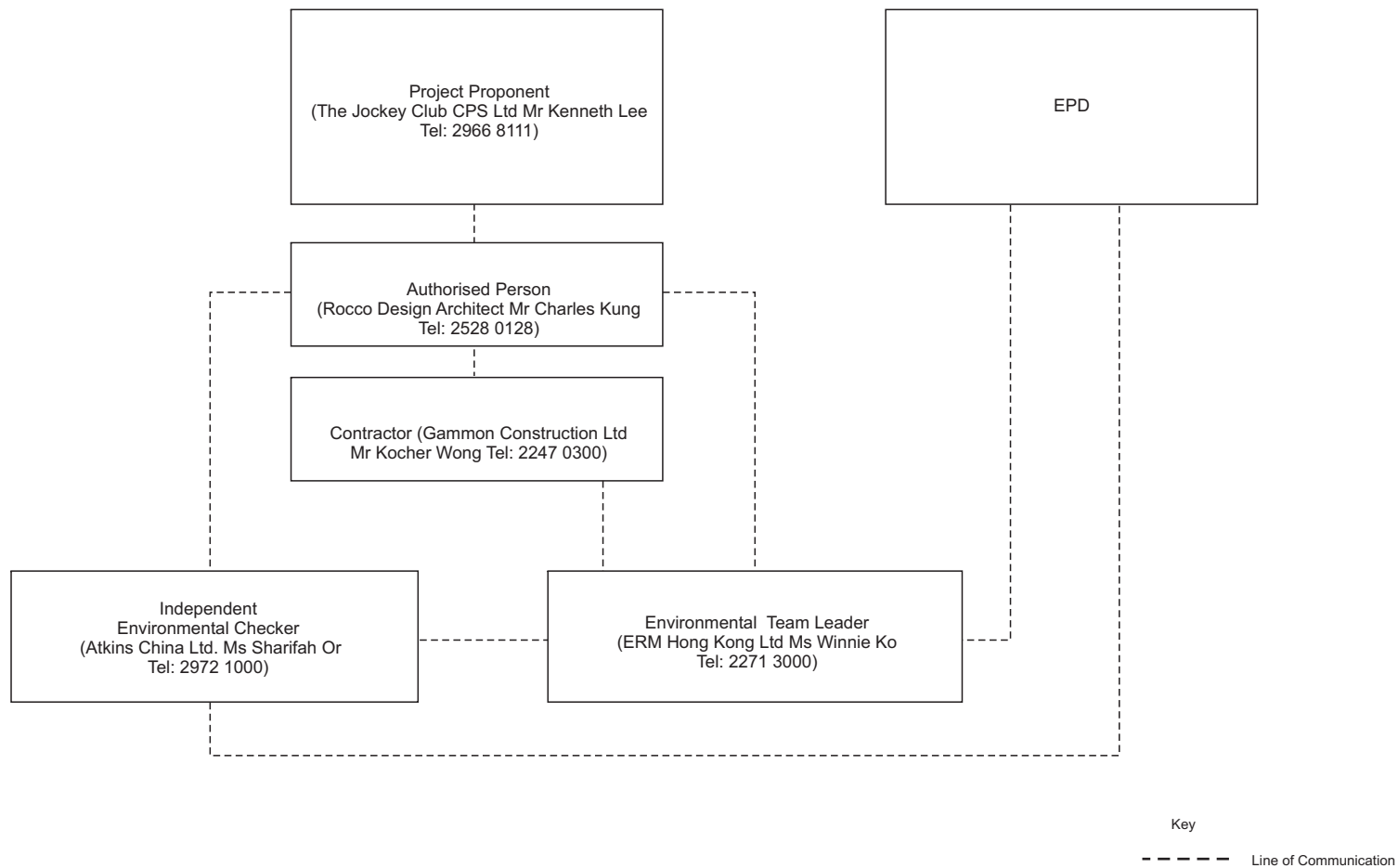
Project 項目
CENTRAL POLICE STATION
CONSERVATION AND REVITALISATION

Drawing Title 圖名
DEMOLITION SITE PLAN
(OVERALL)

Scale 比例	Drawn 製圖	Checked 校對
1:300@A1	P.C.	T.H.
Drawing No. 圖號	Revision 修改版	
DE-OAP209674-L-100	02	

Annex B

Project Organization Chart and Contact Detail



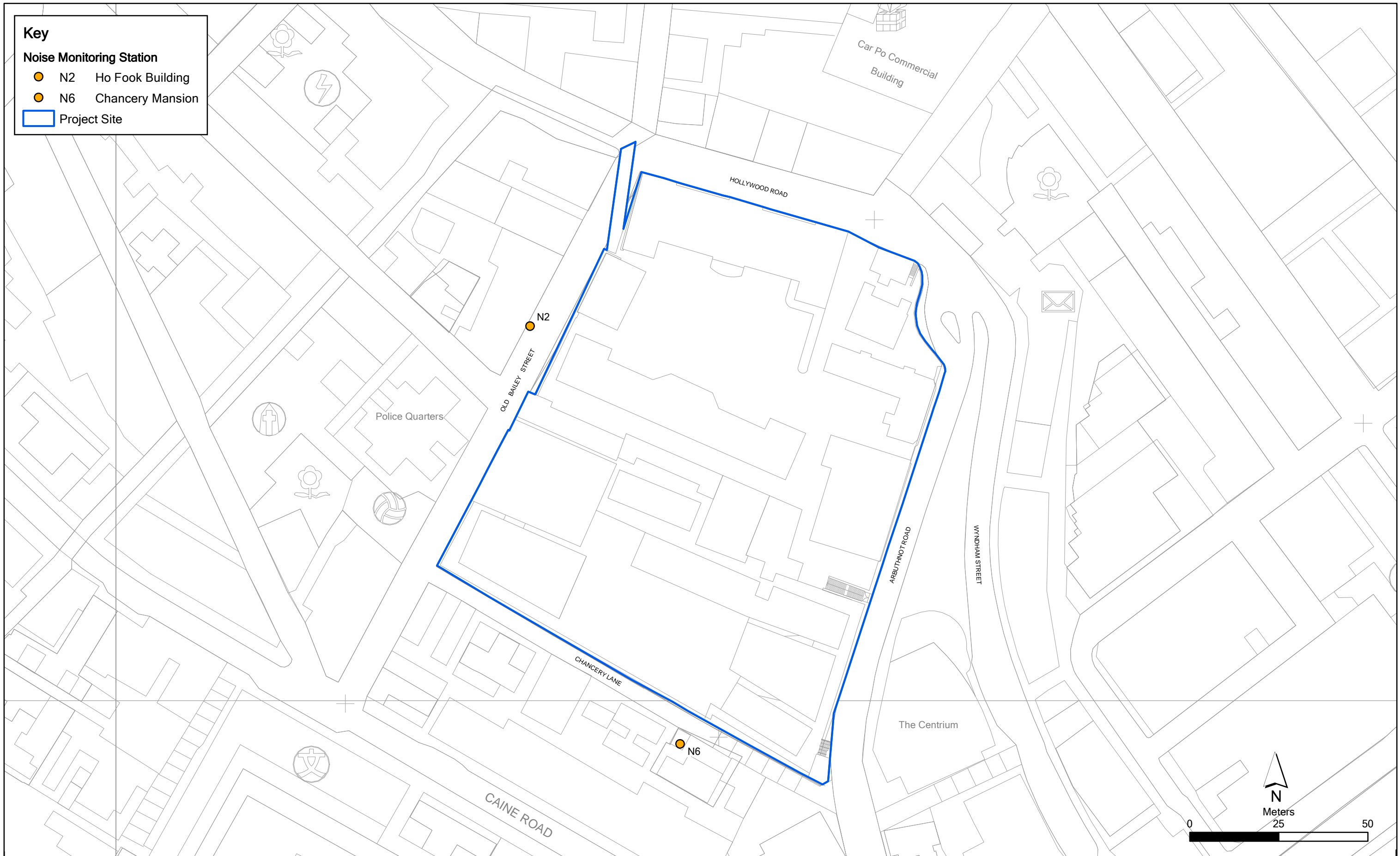
Annex C

Locations of Noise Monitoring Stations

Key

Noise Monitoring Station

- N2 Ho Fook Building
- N6 Chancery Mansion
- Project Site




Annex C

Location of Noise Monitoring Stations

File: 0095646_noise monitoring station.mxd
Date: 21/11/2011

Environmental Resources Management




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

Annex D

Monitoring Schedule of the Reporting Period and Next Month

**Central Police Station Compound Coservation and Revitalisation
(Ho Fook Building - N2 & Chancery Mansion - N6)
Monitoring Schedule for Current Reporting Month -October 2011**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1-Oct
2-Oct	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	8-Oct
9-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct	15-Oct
16-Oct	17-Oct	18-Oct	19-Oct	20-Oct	21-Oct	22-Oct
23-Oct	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct
	Project commencement		Noise Monitoring at N2 & N6			
30-Oct	31-Oct					

**Central Police Station Compound Coservation and Revitalisation
(Ho Fook Building - N2 & Chancery Mansion - N6)
Monitoring Schedule for Current Reporting Month -November 2011**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1-Nov	2-Nov	3-Nov	4-Nov	5-Nov
		Noise Monitoring at N2 & N6				
6-Nov	7-Nov	8-Nov	9-Nov	10-Nov	11-Nov	12-Nov
	Noise Monitoring at N2 & N6					
13-Nov	14-Nov	15-Nov	16-Nov	17-Nov	18-Nov	19-Nov
			Noise Monitoring at N2 & N6			
20-Nov	21-Nov	22-Nov	23-Nov	24-Nov	25-Nov	26-Nov
				Noise Monitoring at N2 & N6		
27-Nov	28-Nov	29-Nov	30-Nov			
			Noise Monitoring at N2 & N6			

**Central Police Station Compound Coservation and Revitalisation
(Ho Fook Building - N2 & Chancery Mansion - N6)
Monitoring Schedule for Next Reporting Month - December 2011**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1-Dec	2-Dec	3-Dec
4-Dec	5-Dec	6-Dec	7-Dec	8-Dec	9-Dec	10-Dec
		Noise Monitoring at N2 & N6				
11-Dec	12-Dec	13-Dec	14-Dec	15-Dec	16-Dec	17-Dec
	Noise Monitoring at N2 & N6					
18-Dec	19-Dec	20-Dec	21-Dec	22-Dec	23-Dec	24-Dec
			Noise Monitoring at N2 & N6			
25-Dec	26-Dec	27-Dec	28-Dec	29-Dec	30-Dec	31-Dec
				Noise Monitoring at N2 & N6		

Annex E

Calibration Reports for Calibrators and Sound Level Meters

Certificate No. : C113870

Certificate of Calibration

This is to certify that the equipment

Description : Sound Level Calibrator

Manufacturer : Rion

Model No. : NC-73

Serial No. : 10997142

has been calibrated for the specific items and ranges.

The results are shown in the Calibration Report No. C113870.

The equipment is supplied by

Co. Name : Envirotech Services Co.

*Address : Shop 6, G/F., Casio Mansion, 209 Shaukeiwan Road,
Hong Kong*

Date of Issue : 11 July 2011

Certified by : 
H C Chan

Report No. : C113870

Calibration Report

ITEM TESTED

DESCRIPTION : Sound Level Calibrator
MANUFACTURER : Rion
MODEL NO. : NC-73
SERIAL NO. : 10997142

TEST CONDITIONS

AMBIENT TEMPERATURE : $(23 \pm 2)^{\circ}\text{C}$ RELATIVE HUMIDITY : $(55 \pm 20)\%$
LINE VOLTAGE : ---

TEST SPECIFICATIONS

Calibration

DATE OF TEST : 11 July 2011

JOB NO. : IC11-1713

TEST RESULTS

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
- The Bruel & Kjaer Calibration Laboratory, Denmark
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA
- Agilent Technologies, USA

Tested by :



K C Lee

Date : 11 July 2011

The test equipment used for calibration are traceable to the National Standards as specified in this report.
This report shall not be reproduced except in full and with prior written approval from this laboratory.

Calibration Report

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours before the commencement of the test.
2. The results presented are the mean of 3 measurements at each calibration point.
3. Test equipment :

<u>Equipment ID</u>	<u>Description</u>	<u>Certificate No.</u>
TST150A	Measuring Amplifier	C101008
CL130	Universal Counter	C113350
CL281	Multifunction Acoustic Calibrator	C1006860

4. Test procedure : MA100N.

5. Results :

- 5.1 Sound Level Accuracy

- 5.1.1 Before Adjustment

UUT Nominal Value	Measured Value (dB)	Mfr's Spec. (dB)	Uncertainty of Measured Value (dB)
94 dB, 1 kHz	94.3	± 0.5	± 0.2

- 5.1.2 After Adjustment

UUT Nominal Value	Measured Value (dB)	Mfr's Spec. (dB)	Uncertainty of Measured Value (dB)
94 dB, 1 kHz	94.0	± 0.5	± 0.2

- 5.2 Frequency Accuracy

- 5.2.1 Before Adjustment

UUT Nominal Value (kHz)	Measured Value (kHz)	Mfr's Spec.	Uncertainty of Measured Value (Hz)
1	0.991	1 kHz ± 2 %	± 1

- 5.2.2 After Adjustment

UUT Nominal Value (kHz)	Measured Value (kHz)	Mfr's Spec.	Uncertainty of Measured Value (Hz)
1	0.991	1 kHz ± 2 %	± 1

The test equipment used for calibration are traceable to the National Standards as specified in this report.
This report shall not be reproduced except in full and with prior written approval from this laboratory.

Report No. : C113870

Calibration Report

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

Note :

The values given in this Calibration Report 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.

Certificate No. : C114103

Certificate of Calibration

This is to certify that the equipment

Description : Precision Sound Level Meter

Manufacturer : Rion

Model No. : NA-27

Serial No. : 00201194

*has been calibrated for the specific items and ranges.
The results are shown in the Calibration Report No. C114103.*

The equipment is supplied by

Co. Name : Envirotech Services Co.

*Address : Shop 6, G/F., Casio Mansion, 209 Shaukeiwan Road,
Hong Kong*

Date of Issue : 26 July 2011

Certified by :

K C Lee

Report No. : C114103

Calibration Report

ITEM TESTED

DESCRIPTION : Precision Sound Level Meter
MANUFACTURER : Rion
MODEL NO. : NA-27
SERIAL NO. : 00201194

TEST CONDITIONS

AMBIENT TEMPERATURE : $(23 \pm 2)^{\circ}\text{C}$ RELATIVE HUMIDITY : $(55 \pm 20)\%$
LINE VOLTAGE : ---

TEST SPECIFICATIONS

Calibration check

DATE OF TEST : 22 July 2011

JOB NO. : IC11-1826

TEST RESULTS

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
- The Bruel & Kjaer Calibration Laboratory, Denmark
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA
- Agilent Technologies, USA

Tested by :


H C Chan

Date : 26 July 2011

The test equipment used for calibration are traceable to the National Standards as specified in this report.
This report shall not be reproduced except in full and with prior written approval from this laboratory.

Calibration Report

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
2. Self-calibration was performed before the test.
3. The results presented are the mean of 3 measurement at each calibration point.
4. Test equipment :

<u>Equipment ID</u>	<u>Description</u>	<u>Certificate No.</u>
CL280	40 MHz Arbitrary Waveform Generator	C110018
CL281	Multifunction Acoustic Calibrator	C1006860

5. Test procedure : MA101N.

6. Results :

6.1 Sound Pressure Level

6.1.1 Reference Sound Pressure Level

6.1.1.1 Before Self-Calibration

UUT Setting			Applied Value		UUT Reading (dB)
Range (dB)	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	
50 - 110	LA	Fast	94.00	1	94.1

6.1.1.2 After Self-Calibration

UUT Setting			Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
50 - 110	LA	Fast	94.00	1	94.0	± 0.7

6.1.2 Linearity

UUT Setting			Applied Value		UUT Reading (dB)
Range (dB)	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	
60 - 120	LA	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.

Calibration Report

6.2 Time Weighting

6.2.1 Continuous Signal

UUT Setting			Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
50 - 110	LA	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)	Frequency Weighting	Time Weighting	Level (dB)	Burst Duration		
50 - 110	LA	Fast	106.00	Continuous	106.0	Ref.
				200 ms	105.0	-1.0 ± 1.0
	LA	Slow		Continuous	106.0	Ref.
				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)	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
50 - 110	LA	Fast	94.00	31.5 Hz	54.4	-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	90.7	-3.2 ± 1.0
				1 kHz	94.0	Ref.
				2 kHz	95.2	$+1.2 \pm 1.0$
				4 kHz	95.0	$+1.0 \pm 1.0$
				8 kHz	92.9	$-1.1 (+1.5 ; -3.0)$
				12.5 kHz	89.7	$-4.3 (+3.0 ; -6.0)$

The test equipment used for calibration are traceable to the National Standards as specified in this report. This report shall not be reproduced except in full and with prior written approval from this laboratory.

Calibration Report

6.3.2 C-Weighting

UUT Setting			Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
50 - 110	LC	Fast	94.00	31.5 Hz	91.0	-3.0 ± 1.5
				63 Hz	93.1	-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	93.8	-0.2 ± 1.0
				4 kHz	93.2	-0.8 ± 1.0
				8 kHz	90.9	-3.0 (+1.5 ; -3.0)
				12.5 kHz	87.8	-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	Integrating Time	Freq. (kHz)	Burst Duration (ms)	Burst Duty Factor	Burst Level (dB)	Equivalent Level (dB)		
50 - 110	LAeq	10 sec.	4	1	1/10	110.0	100	100.1	± 0.5
					1/10 ²		90	90.1	± 0.5
		60 sec.			1/10 ³		80	80.0	± 1.0
					1/10 ⁴		70	70.0	± 1.0
		5 min.							

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

- Uncertainties of Applied Value : 94 dB : 31.5 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 Calibration Report 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.

Certificate No. : C113827

Certificate of Calibration

This is to certify that the equipment

Description : Sound Level Meter

Manufacturer : Rion

Model No. : NL-31

Serial No. : 00603867

*has been calibrated for the specific items and ranges.
The results are shown in the Calibration Report No. C113827.*

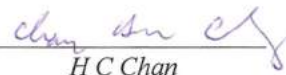
The equipment is supplied by

Co. Name : Envirotech Services Co.

*Address : Shop 6, G/F., Casio Mansion, 209 Shaukeiwan Road,
Hong Kong*

Date of Issue : 8 July 2011

Certified by :


H C Chan

Report No. : C113827

Calibration Report

ITEM TESTED

DESCRIPTION : Sound Level Meter
MANUFACTURER : Rion
MODEL NO. : NL-31
SERIAL NO. : 00603867

TEST CONDITIONS

AMBIENT TEMPERATURE : $(23 \pm 2)^{\circ}\text{C}$ RELATIVE HUMIDITY : $(55 \pm 20)\%$
LINE VOLTAGE : ---

TEST SPECIFICATIONS

Calibration check

DATE OF TEST : 7 July 2011

JOB NO. : IC11-1657

TEST RESULTS

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
- The Bruel & Kjaer Calibration Laboratory, Denmark
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA
- Agilent Technologies, USA

Tested by :



KC Lee

Date : 8 July 2011

The test equipment used for calibration are traceable to the National Standards as specified in this report.
This report shall not be reproduced except in full and with prior written approval from this laboratory.

Calibration Report

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
2. Self-calibration was performed before the test.
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	C110018
CL281	Multifunction Acoustic Calibrator	C1006860

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)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
30 - 120	L _A	A	Fast	94.00	1	94.0	± 1.1

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		113.9

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)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
30 - 120	L _A	A	Fast	94.00	1	94.0	Ref.
			Slow			93.9	± 0.3

Calibration Report

6.3 Frequency Weighting

6.3.1 A-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
30 - 120	L _A	A	Fast	94.00	63 Hz	67.7	-26.2 ± 1.5
					125 Hz	77.7	-16.1 ± 1.5
					250 Hz	85.3	-8.6 ± 1.4
					500 Hz	90.7	-3.2 ± 1.4
					1 kHz	94.0	Ref.
					2 kHz	95.3	+1.2 ± 1.6
					4 kHz	95.1	+1.0 ± 1.6
					8 kHz	93.0	-1.1 (+2.1 ; -3.1)
					12.5 kHz	90.1	-4.3 (+3.0 ; -6.0)

6.3.2 C-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
30 - 120	L _C	C	Fast	94.00	63 Hz	93.1	-0.8 ± 1.5
					125 Hz	93.8	-0.2 ± 1.5
					250 Hz	94.0	0.0 ± 1.4
					500 Hz	94.0	0.0 ± 1.4
					1 kHz	94.0	Ref.
					2 kHz	93.9	-0.2 ± 1.6
					4 kHz	93.3	-0.8 ± 1.6
					8 kHz	91.1	-3.0 (+2.1 ; -3.1)
					12.5 kHz	88.2	-6.2 (+3.0 ; -6.0)

The test equipment used for calibration are traceable to the National Standards as specified in this report. This report shall not be reproduced except in full and with prior written approval from this laboratory.

Calibration Report

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

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

Note :

The values given in this Calibration Report 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.



RION CO., LTD.

3-20-41 Higashimotomachi Kokubunji Tokyo 185-8533
Phone:042(359)7888, Facsimile:042(359)7442

Certificate of Calibration

Name : Precision sound level meter
Model : NL-52 S/No. : 00710259
(NX-42EX installed)
Microphone : UC-59 S/No. : 02695
Preamplifier : NH-25 S/No. : 10253

Date of Calibration : September, 20, 2011

We hereby certify that the above product was tested and calibrated according to the prescribed Rion procedures, and that it fulfills specification requirements.

The measuring equipment and reference devices used for testing and calibrating this unit are managed under the Rion traceability system and are traceable according to official Japanese standards and official standards of countries belonging to the International Committee of Weights and Measures.


RION CO., LTD.

T. Kano
Manager, Quality Control Department

Annex F

Event / Action Plans for Noise

Table F *Event and Action Plan for Construction Noise Monitoring*

Event	Action			
	Environmental Team (ET)	Independent Environmental Checker (IEC)	Authorised Person (AP)	Contractor
Action Level	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 1. Submit noise mitigation proposals to IEC; 2. Implement noise mitigation proposals.
Limit Level	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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 G

Summary of Implementation Status

Annex G Implementation Schedule for Environmental Protection Measures

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
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.	To be advised	During detailed design and construction	√
S3.9.2	S3.3.1	<u>Vibration Monitoring</u> A baseline condition survey and baseline vibration impact will be conducted by a specialist for the approval of AMO and Buildings Department prior to commencement of the construction works to define the vibration control limits and recommend a vibration monitoring proposal for the concerned historic buildings and structures in and outside CPS for AMO's prior approval before commencement of the construction works.	Historic buildings and structures in CPS, the granite walls at Old Bailey Street and the proposed Grade 3 historic building (No. 20 Hollywood Road)	During detailed design and construction	N/A – Construction works have not commenced.
S3.9.2	S3.3.3	<u>Compliance of the Approved Measures and Auditing</u> Staff training by an experience building conservation expert or relevant competent person(s) in the environmental team of the project should be provided to the on-site staffs, contractors, sub-contractors and workers of the project before commencement of works to ensure their full understanding of the approved protection schedule, restoration proposal and work methodologies related to cultural heritage, and their respective responsibilities in the implementation of the environmental protection measures. Regular site audit for cultural heritage should be carried out in the construction phase by an experience building conservation expert in the environmental team ("the Heritage Checker") to investigate the site practice of the contractors and workers and their compliance of the approved work methodologies with respect of conservation works, mitigations for cultural heritage and any related works. A detailed proposal of the regular audit such as methodology (e.g. performance	Whole site	Prior to and during construction	√

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
		<p>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.</p> <p>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.</p>			
S3.9.3	S3.3.4	<p><u>Archival Recording</u></p> <p>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.</p>	Whole Site	During detailed design, construction and prior to operation	N/A - Archival recording will be conducted at later stage.
S3.7.3	-	<p><u>General Construction Methods</u></p> <p>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 checked and confirmed by the contractor. Non-percussive piling</p>	Whole site	During construction	N/A - The site survey is currently undertaken by the Contractor.

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
		<p>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.</p>			
S3.7.1 & 3.7.2	-	<p>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:</p> <ul style="list-style-type: none"> • 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. <p>One set of updated CMP shall be submitted to the AMO for approval before the operation stage of the project.</p>	Whole site	During detailed design, construction, post-construction and operation	N/A - No construction has commenced. the CMP will be implemented and updated at later stage.

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
<i>Landscape & Visual</i>					
S4.7.27	-	<p><u><i>In-situ Tree Protection - Cordon Zone (CZ)</i></u></p> <p>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.</p>	Whole site	During construction	<>
S4.7.2	-	<p><u><i>In-situ Tree Protection - Advanced & Phased Root Pruning</i></u></p> <p>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.</p>	Whole site	During construction	N/A - No construction work has commenced.
S4.7.2	-	<p><u><i>In-situ Tree Protection - Foliage cleansing system</i></u></p> <p>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</p>	Whole site	During construction	N/A - No construction work has commenced.

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	<p data-bbox="286 311 1061 341"><u>In-situ Tree Protection - Monthly inspection</u></p> <p data-bbox="286 391 1061 715">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.</p>	Whole site	During construction	√
S4.7.2	-	<p data-bbox="286 721 1061 751"><u>Light Control</u></p> <p data-bbox="286 801 1061 863">Control of night-time lighting shall be implemented to minimise impact to adjacent VSRs.</p>	Whole site	During construction and operation	N/A – No construction work has commenced.
S4.7.2	S4	<p data-bbox="286 869 1061 900"><u>Compensatory Tree Planting</u></p> <p data-bbox="286 949 1061 1139">A new planting site has been identified for compensatory tree planting in the Parade Ground. The planting is to compensate for felling of T10. The existing tree site will be enlarged to become a wide tree strip to accommodate at least six trees. The entire strip of land that accommodates T1 to T4 should be revamped to improve the soil condition for future tree growth.</p> <p data-bbox="286 1157 1061 1375">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</p>	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
		<p>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.</p> <p>Pursuant to the "Environment, Transport and Works Bureau Technical Circular (Works) No. 3/2006 Tree Preservation", the compensation ratio should preferably be 1:1 according to trunk girth. T10 has a DBH of 20 cm (Table 4.3), and it is proposed that six trees of heavy standard size be planted, each with a DBH of around 10 cm and root balls of not less than 0.75 m diameter and 0.75 m depth. Since the aggregate DBH of the new trees would be 60 cm, the rate of compensation is equivalent to three times the DBH of T10, far beyond the requirements</p> <p>The six replacement trees should be planted in the new tree strip in two staggered rows, maximising distance between each tree to avoid mutual interference in the future. It is recommended that the species selected should have a small final dimension of less than 10 m height given the proximity to built structures such as the retaining wall and buildings. Two each of the outstanding and related flowering tree species connected to local natural history are suggested::</p> <ul style="list-style-type: none"> - <i>Bauhinia 'Blakeana'</i> a native evergreen species with deep mauve flowers and an exceptionally long flowering period from late autumn to early spring. - <i>Bauhinia purpure</i>, a native evergreen with lighter purple flowers from late autumn to early winter. - <i>Bauhinia variegata</i>, an exotic deciduous species, with pale pinkish flowers in spring to early summer often when the tree has little or no leaves. 			
S4.7.2	S4	<p><u>Vertical Greening</u></p> <p>Within the limitations of the conservation of the CPS character, greening of vertical structures should be provided where possible. As such it is recommended that the inner southern wall of the Site be planted as a green wall. The plantings should be inserted in between</p>	Inner Southern Wall	During detailed design and construction	N/A - No vertical greening was conducted during the reporting month.

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
		each of the large protruding piers and an offset be made from both the top and bottom edge so that old and new are equally visible. An independent frame should be strategically positioned in order to ensure minimal disturbance to the original wall, and provide the main structural support and planting surface for the green wall. The frame on to which the new green will be planted should contain its own irrigation system so that moisture for the plants will remain mainly on the planting surface and not the exiting wall behind. The planting chosen should be appropriate to the Hong Kong climate, requiring relatively little maintenance to sustain the quality of both plants and wall.			
S4.7.2	-	<p><i>New Custom Paving</i></p> <p>New, Porous, Patterned, High Quality, Concrete Custom Pavers should replace most of the existing paving in the open spaces.</p>	Whole site	During detailed design and construction	N/A - No custom paving was conducted during the reporting month.
S4.7.2	S4	<p><u><i>In-situ Tree Protection - Quarterly inspection</i></u></p> <p>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.</p>	Whole site	During post construction and operation	N/A - The quarterly inspection will be conducted at later stage.
<i>Noise</i>					
S5.9	-	<p>The following site practices should be followed during the construction of the Project:</p> <ul style="list-style-type: none"> • Only well-maintained plant will be operated on-site and plant will be serviced regularly during the construction phase; • Silencers or mufflers on construction equipment will be utilised and will be properly maintained during the construction phase; • Mobile plant, if any, will be sited as far away from NSRs as 	Whole Site	During construction	N/A - No construction work has commenced.

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
		<p>possible;</p> <ul style="list-style-type: none"> Machines and plant (such as trucks) that may be in intermittent use will be shut down between work periods or will be throttled down to a minimum; Plant known to emit noise strongly in one direction will, wherever possible, be orientated so that the noise is directed away from the nearby NSRs; and Material stockpiles and other structures will be effectively utilised, wherever practicable, in screening noise from on-site construction activities. 			
S5.9	-	Noise insulating sheet would be adopted for certain PME (eg drill rig, excavator for demolition of existing structures, etc). The noise insulating sheet should be deployed such that there would be no opening or gaps on the joints.	Whole Site	During construction	N/A - No construction work has commenced.
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	N/A - No construction work has commenced.
S5.9	-	Use quiet PME as far as practicable to mitigate the construction noise impact.	Whole Site	During construction	N/A - No construction work has commenced.
S5.9	-	Scheduling of construction activities with identified grouping of PMEs.	Whole Site	During construction	N/A - No construction work has commenced.
S5.11	S5	Weekly noise monitoring will be undertaken at the representative NSRs N2 Ho Fook Building and N5 Chancery House. Monthly site audits will be conducted to ensure that the recommended mitigation measures are properly implemented during the construction stage.	Whole Site	During construction	√
<i>Air Quality</i>					
S6.8.1	-	Dust control measures stipulated in the <i>Air Pollution Control (Construction Dust) Regulation</i> will be implemented during the	Whole Site	During construction	N/A - No construction work has commenced.

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
		construction phase to control the potential fugitive dust emissions.			
S6.8.1	-	In particular: Temporary stockpiles of dusty materials will be either covered entirely by impervious sheets; placed in an area sheltered on the top and three sides; or sprayed with water to maintain the entire surface wet at all the time.	Whole Site	During construction	N/A - No construction work has commenced.
S6.8.1	-	Impervious sheet will be provided for skip hoist for material transport.	Whole Site	During construction	N/A - No construction work has commenced.
S6.8.1	-	Vehicle washing facilities will be provided at the designated vehicle exit points.	Whole Site	During construction	N/A - No construction work has commenced.
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	N/A - No construction work has commenced.
S6.8.1	-	Road sections between vehicle-wash areas and vehicular entrances will be paved.	Whole Site	During construction	N/A - No construction work has commenced.
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	N/A - No construction work has commenced.
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	N/A - No construction work has commenced.
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	N/A - No construction work has commenced.
S6.8.1	-	ULSD will be used for all construction plant on-site.	Whole Site	During construction	N/A - No construction work has commenced.
S6.8.1	-	The engine of the construction equipment or trucks during idling will be switched off.	Whole Site	During construction	N/A - No construction work has commenced.
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 - No construction work has commenced.
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	√
<i>Water Quality</i>					
S7.6	-	Channels, earth bunds or sand bag barriers will be provided on site to direct stormwater to silt removal facilities. The design of silt removal facilities will make reference to the guidelines in <i>Appendix A1 of ProPECC PN 1/94</i> . All drainage facilities and erosion and sediment control structures will be inspected on a regular basis and maintained to confirm proper and efficient operation at all times and particularly during rainstorms. Deposited silt and grit will be removed regularly.	Whole Site	During construction	N/A - No construction work has commenced.
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 - No construction work has commenced.

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 - No construction work has commenced.
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	N/A - No construction work has commenced.
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 - No construction work has commenced.
S7.6	-	Precautions will be taken when a rainstorm is imminent or forecasted, and actions to be taken during or after rainstorms are summarised in Appendix A2 of <i>ProPECC PN 1/94</i> . Particular attention will be paid to the control of silty surface runoff during storm events.	Whole Site	During construction	N/A - No construction work has commenced.
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 - No construction work has commenced.
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 - No construction work has commenced.
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 - No construction work has commenced.
S7.6	-	Waste streams classifiable as chemical wastes will be properly stored, collected and treated.	Whole Site	During construction	N/A - No construction work has commenced.
S7.6	-	All fuel tanks and chemical storage areas will be provided with locks and be sited on paved areas.	Whole Site	During construction	N/A - No construction work has commenced.

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	N/A - No construction work has commenced.
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 - No construction work has commenced.
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 - No construction work has commenced.
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	√
<i>Waste Management</i>					
S8.5	S6.3.1 & Table 6.1	<u>General</u> The Contractor shall apply for and obtain all the necessary waste disposal permits or licences are obtained prior to the commencement of the construction works.	Whole Site	During construction	√
S8.5	-	<u>Management of Waste Disposal</u> The construction contractor will open a billing account with the EPD. Every construction waste or public fill load to be transferred to the Government waste disposal facilities such as public fill reception facilities, sorting facilities, landfills will require a valid "chit" which contains the information of the account holder to facilitate waste transaction recording and billing to the waste producer.	Whole Site	During construction	√

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
S8.5	S6.2	A trip-ticket system will also be established to monitor the disposal of construction waste at landfill and to control fly-tipping. The trip-ticket system will be included as one of the contractual requirements and implemented by the contractor.	Whole Site	During construction	√
S8.5	S6 & Table 6.1	A recording system for the amount of wastes generated/recycled and disposed of will be established during the construction phase.	Whole Site	During construction	√
S8.5	S6.3	<u>Reduction of Construction Waste Generation</u> C&D material will be segregated on-site into public fill and construction waste and stored in different containers or skips to facilitate reuse of the public fill and proper disposal of the construction waste. Specific areas of the work site will be designated for such segregation and storage if immediate use is not practicable.	Whole Site	During construction	<>
S8.5	S6	<u>Chemical Waste</u> The contractor will register as a chemical waste producer with the EPD.	Whole Site	During construction and operation	√
S8.5	S6	Containers used for storage of chemical waste shall: <ul style="list-style-type: none"> • Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; • Have a capacity of less than 450 L unless the specifications have been approved by the EPD; and • Display a label in English and Chinese in accordance with instructions prescribed in <i>Schedule 2 of the Regulations</i>. 	Whole Site	During construction and operation	N/A - No construction work has commenced.
S8.5	S6	Storage areas for chemical waste shall: <ul style="list-style-type: none"> • Be clearly labelled and used solely for the storage of chemical waste; • Be enclosed on at least 3 sides; • Have an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in that area, whichever is the greatest; • Have adequate ventilation; • Be covered to prevent rainfall entering (water collected within the 	Whole Site	During construction and operation	N/A - No construction work has commenced.

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Location	When to Implement the Measure	Status
		<p>bund must be tested and disposed of as chemical waste, if necessary); and</p> <ul style="list-style-type: none"> • 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	N/A - No construction work has commenced.
S8.5	S6 & Table 6.1	<p><u>General Refuse</u></p> <p>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.</p>	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	<p><u>Staff Training</u></p> <p>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.</p>	Whole site	Commence-ment of construction	√
S8.7	S6.1 & 6.3	Monthly audits of the waste management practices will be carried out during the construction phases to determine if wastes are being managed in accordance with the recommended good site practices. The audits will examine all aspects of waste management including waste generation, storage, recycling, transport and disposal.	Whole site	During construction	√

Remark:

- √ Compliance of Mitigation Measures
- <> Compliance of Mitigation but need improvement
- x Non-compliance of Mitigation Measures
- ▲ Non-compliance of Mitigation Measures but rectified by Gammon Construction Ltd
- Δ Deficiency of Mitigation Measures but rectified by Gammon Construction Ltd
- N/A Not Applicable in Reporting Period

Annex H

Noise Monitoring Results

Annex H Noise Monitoring Results

Daytime Noise Monitoring Results

N6 Chancery Mansion

Date	Start Time	End Time	Weather	Noise level (dB(A)), 30 min			Major Construction Noise Source(s) Observed	Other Noise Source(s) Observed	Remarks	Temp. (°C) ^a	Wind Speed (m/s) ^b	Noise Meter Model / ID	Calibrator Model / ID	Compliance (Y/N)
				Leq	L10	L90								
26-Oct-11	13:12	13:42	Fine	63.3	64.6	62.0	-	Traffic noise	-	21.6 - 26.6	-	RION- NA27 (S/N 00201194)	RION - NC73 (S/N 10997142)	Y
1-Nov-11	15:15	15:45	Sunny	63.5	64.7	62.2	-	Traffic noise	-	22.3 - 28.8	-	RION- NL31 (S/N 00603867)	RION - NC73 (S/N 10997142)	Y
7-Nov-11	8:30	9:00	Sunny	62.6	64.2	60.3	-	Traffic noise	-	23.7 - 28.5	-	RION- NL52 (S/N 00710259)	RION - NC73 (S/N 10997142)	Y
16-Nov-11	9:40	10:10	Sunny	66.0	67.7	63.2	Scaffolding - bamboo	-	-	21.8 - 26.8	-	RION- NL52 (S/N 00710259)	RION - NC73 (S/N 10997142)	Y
24-Nov-11	9:50	10:20	Sunny	64.6	66.3	63.2	Compressor, breaker (near site)	Traffic noise	-	19.0 - 23.6	-	RION- NL52 (S/N 00710259)	RION - NC73 (S/N 10997142)	Y
30-Nov-11	11:05	11:35	Sunny	63.7	65.0	62.5	Breaker (near site)	-	-	21.0 - 28.0	-	RION- NL52 (S/N 00710259)	RION - NC73 (S/N 10997142)	Y
				Min.	62.6									
				Max.	66.0									

N2 Ho Fook Building

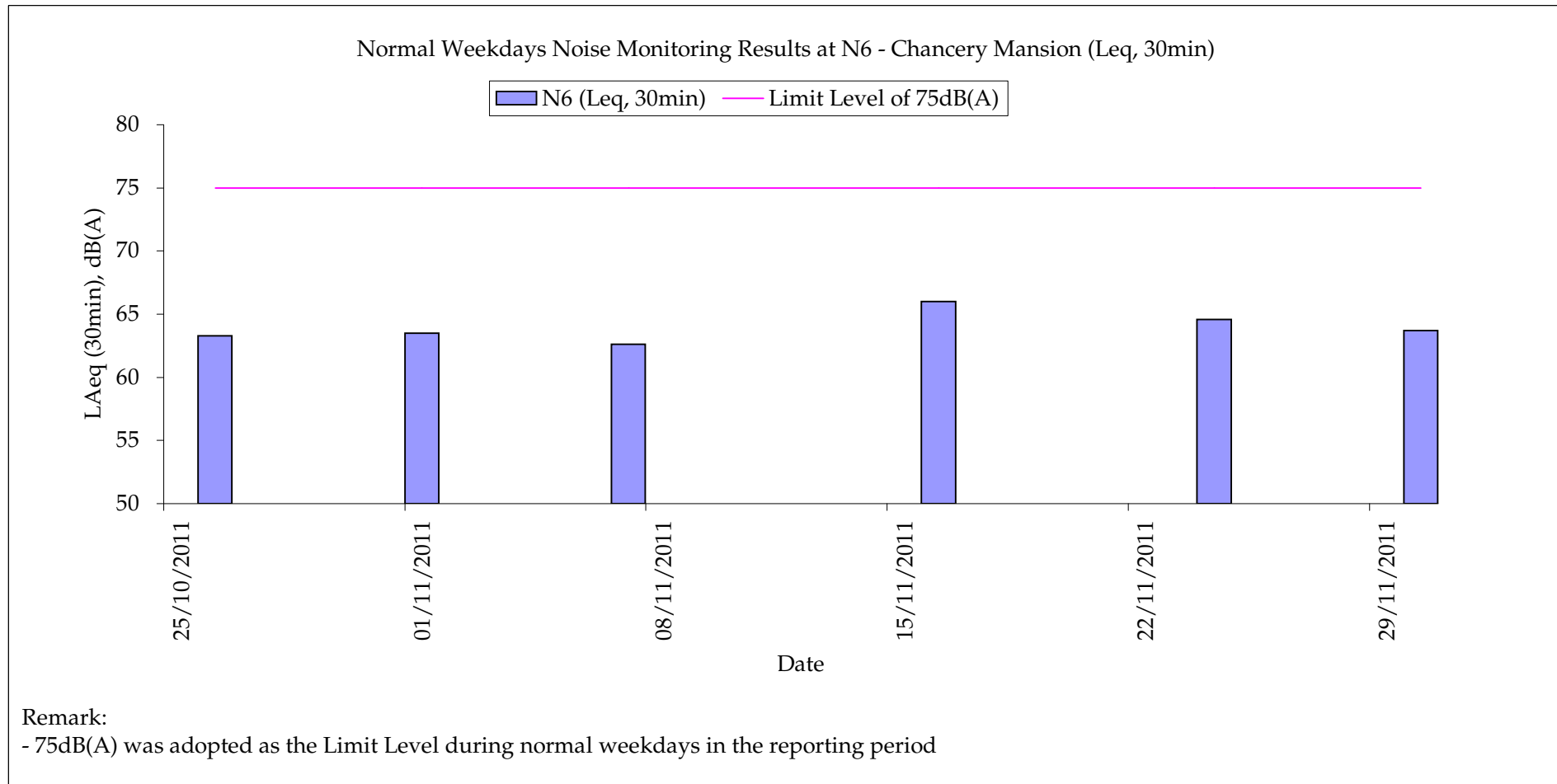
Date	Start Time	End Time	Weather	Noise level (dB(A)), 30 min			Major Construction Noise Source(s) Observed	Other Noise Source(s) Observed	Remarks	Temp. (°C) ^a	Wind Speed (m/s) ^b	Noise Meter Model / ID	Calibrator Model / ID	Compliance (Y/N)
				Leq	L10	L90								
26-Oct-11	13:53	14:23	Fine	62.6	64.4	60.7	-	Traffic noise	-	21.6 - 26.6	-	RION- NA27 (S/N 00201194)	RION - NC73 (S/N 10997142)	Y
1-Nov-11	17:15	17:45	Sunny	63.4	64.8	60.7	-	Traffic noise	-	22.3 - 28.8	-	RION- NL31 (S/N 00603867)	RION - NC73 (S/N 10997142)	Y
7-Nov-11	9:12	9:42	Sunny	64.1	65.4	61.9	-	Traffic noise	-	23.7 - 28.5	-	RION- NL52 (S/N 00710259)	RION - NC73 (S/N 10997142)	Y
16-Nov-11	10:20	10:50	Sunny	64.9	66.6	62.0	Scaffolding - bamboo	Hand held breaker (near site)	-	21.8 - 26.8	-	RION- NL52 (S/N 00710259)	RION - NC73 (S/N 10997142)	Y
24-Nov-11	10:28	10:58	Sunny	65.4	66.8	63.5	Compressor, breaker (Near Site)	Traffic noise	-	19.0 - 23.6	-	RION- NL52 (S/N 00710259)	RION - NC73 (S/N 10997142)	Y
30-Nov-11	11:28	11:58	Sunny	65.0	67.1	63.0	Breaker (near site)	Traffic noise	-	21.0 - 28.0	-	RION- NL52 (S/N 00710259)	RION - NC73 (S/N 10997142)	Y
				Min.	62.6									
				Max.	65.4									

Note:

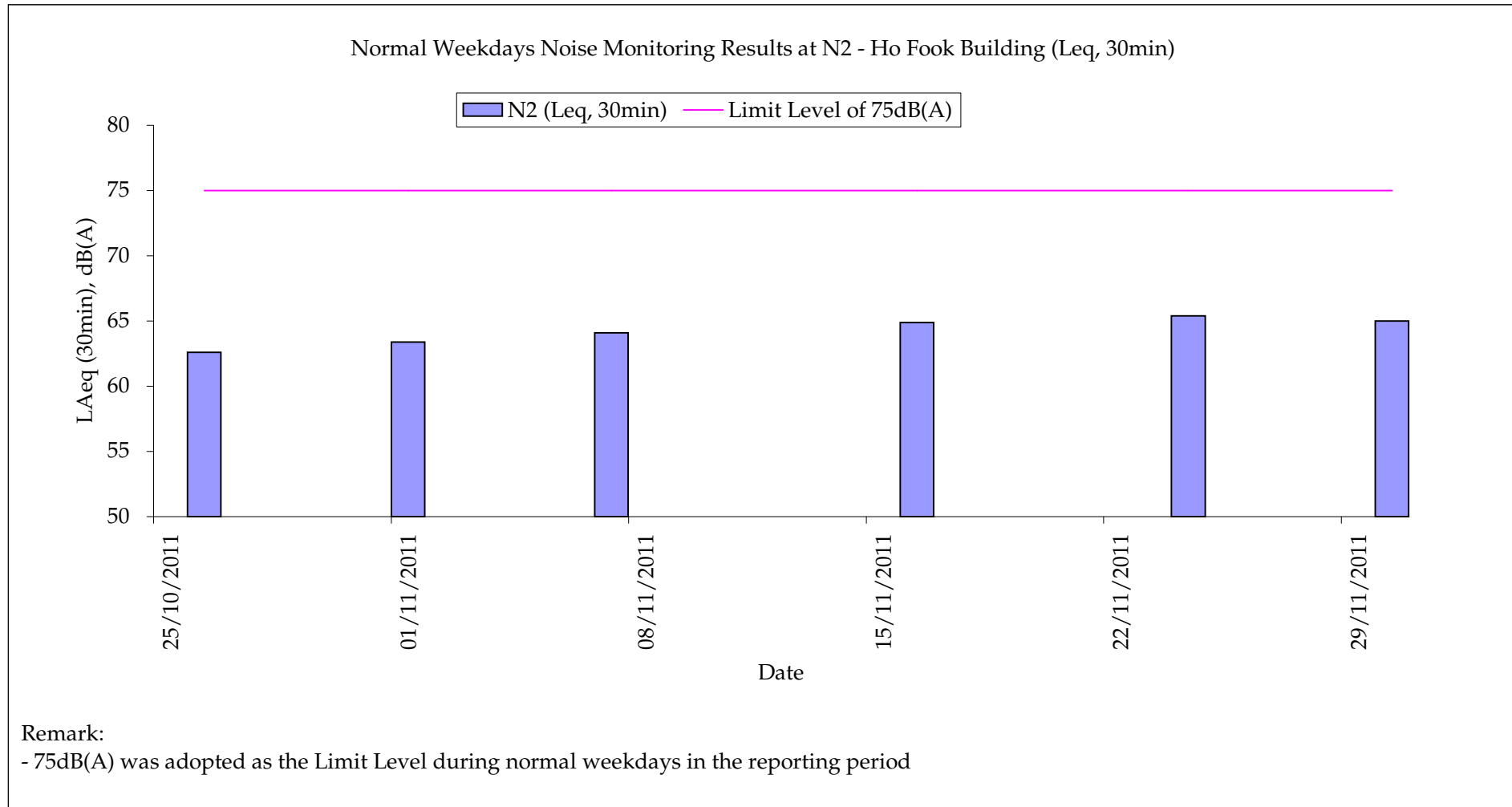
a) Temperature data from Hong Kong Observatory - Hong Kong Park (<http://www.hko.gov.hk/wxinfo/dailywx/dailywx.shtml>)

b) No data available

Annex H

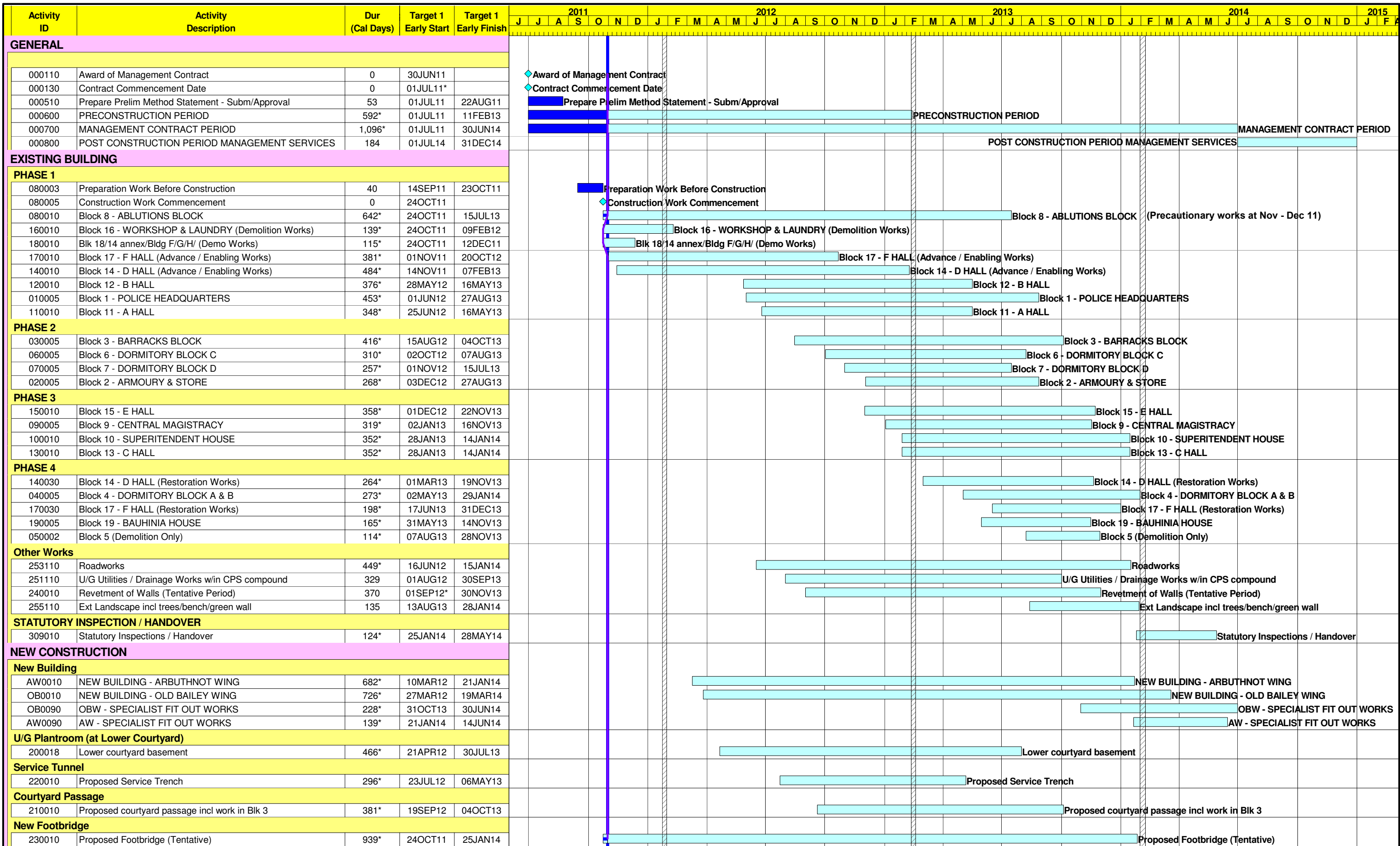


Annex H



Annex I

Construction Programme for the Project



Start Date 07JUL10
 Finish Date 31DEC14
 Data Date 31OCT11
 Run Date 18NOV11 14:17

Planned Bar
 Progress Bar

1K01

Sheet 1 of 1

**CENTRAL POLICE STATION
 CONSERVATION AND REVITALIZATION
 (MANAGEMENT CONTRACT)
 MARKED-UP CONSTRUCTION PROGRAMME**



GCL / P / J3416 / SUM/CP01 (rev 2)

Date	Revision	Checked	Approved
05SEP11	EPD submission		
31OCT11	Monthly Update		

Annex J

A Summary of Current Condition of Character Defining Elements

Schedule of Character Defining Elements

Central Police Station

CENTRAL POLICE STATION, HONG KONG

SCHEDULE OF CHARACTER DEFINING ELEMENTS

This Schedule of Character Defining Elements (CDEs) 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. Should new CDEs be discovered during the construction period, this Schedule will be updated.

For each element, the level of significance is stated. 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.

Schedule of Character Defining Elements




Central Police Station

01 Police Headquarters

Element no.	Description	Photo ref	Significance
01.001	Flat plywood ceiling lining with plain rectangular cover battens		Adverse
01.002	Plaster coving at abutments of walls and ceilings		Low
01.003	Lay-in grid suspended ceiling		Adverse
01.004	Timber thresholds at external doors and internal doors between main corridor and individual rooms		Low




Schedule of Character Defining Elements

Central Police Station


Element no.	Description	Photo ref	Significance
01.005	Plaster box cornice		Moderate
01.006	Panelled doors		Moderate
01.007	External shutters		High

Schedule of Character Defining Elements

Central Police Station




Element no.	Description	Photo ref	Significance
01.008	External terraces at 1/F		High
01.009	Plaster ceilings on GF and LG1		Moderate
01.010	Timber door frames and architraves		Moderate

Schedule of Character Defining Elements
Central Police Station

Element no.	Description	Photo ref	Significance
01.011	Concrete floor		Low
01.012	Rainwater goods		Adverse
01.013	Exterior decorations		Adverse




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref	Significance
01.014	Existing door openings		Moderate
01.015	Existing walls		Moderate
01.016	Altered doors and windows		Adverse




Schedule of Character Defining Elements

Central Police Station




Element no.	Description	Photo ref	Significance
01.017	Mezzanine floor in room 01/LG1/13		Adverse
01.018	Cast iron grilles above Service Corridor 01/LG1/35		High
01.019	Perforated concrete deck above lightwell		Adverse

Schedule of Character Defining Elements



Central Police Station

Element no.	Description	Photo ref	Significance
01.020	External airconditioning units and other external services		Adverse
01.021	Stair balustrades		High
01.022	Main corridors		High

Schedule of Character Defining Elements
Central Police Station




Element no.	Description	Photo ref	Significance
01.023	Painted signs		High
01.024	Fixed signs		Low-High
01.025	Pitched roofs		High

Schedule of Character Defining Elements
Central Police Station

Element no.	Description	Photo ref	Significance
01.026	Enclosure at First Floor landing of main stair		Adverse
01.027	Steel railing enclosure at FF level		Low


Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref	Significance
01.028	Tongued and grooved timber boarded ceilings in East and West wings		Moderate
01.029	Modern partitions		Adverse
01.030	Tiled dado		High



Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref	Significance
01.031	Reinforced concrete canopy and sash windows		Moderate




Schedule of Character Defining Elements
Central Police Station

02 Armoury

Element no.	Description	Photo ref.	Significance
02.001	Lay-in grid suspended ceiling		Adverse
02.002	Modern internal doors		Adverse
02.003	Modern partitions		Adverse




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
02.004	External airconditioning units and other external services		Adverse
02.005	Brickwork walls enclosing rooms at GF and FF East side		Low
02.006	Concrete floors		Low



Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
02.007	Rainwater goods	 A photograph showing the exterior of a brick building. Several white rainwater pipes run vertically and horizontally across the facade. A red fire hydrant is visible on the ground in front of the building. The building has multiple windows and a small entrance area.	Adverse
02.008	Altered doors and windows	 A close-up photograph of a brick wall. A window opening is visible, which has been altered with a bright blue frame. The original window structure appears to be missing or replaced. The brickwork is reddish-brown.	Adverse
02.009	Concrete stairs	 A photograph of an interior concrete staircase. The stairs are made of grey concrete and lead upwards. A green handrail is mounted on the right side of the wall. The walls are also made of concrete.	Adverse

Schedule of Character Defining Elements




Central Police Station

Element no.	Description	Photo ref.	Significance
02.010	Pitched roofs		High
02.011	Roof structure and tiled soffit		High

Schedule of Character Defining Elements




Central Police Station

03 Barracks Block

Element no.	Description	Photo ref.	Significance
03.001	Lay-in grid suspended ceiling		Adverse
3.002	Panelled doors		Moderate
03.003	External shutters		High




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
03.004	Timber thresholds at external doors and internal doors between main corridor and individual rooms		Low
03.005	Timber spandrel panels below windows		Low
03.006	Timber floors		High




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
03.007	Rainwater goods		Adverse
03.008	Exterior decorations		Adverse
03.009	Block existing door openings		Low


Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
03.010	Form new door openings		Low
03.011	Altered doors and windows		Adverse
03.012	External airconditioning units and other external services		Adverse





Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
03.013	Stair balustrades		High
03.014	Painted signs		High
03.015	Fixed signs		Low-High
03.016	Pitched roofs		High




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
03.017	Lean-to structure adjacent North wall		Moderate
03.018	Metal-frames windows at GF North elevation		Adverse
03.019	Internal walls at Ground Floor level		Moderate
03.020	Assembly rooms at centre of building (all floors)		Moderate




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
03.021	Exposed soffits of timber floors		Moderate
03.022	Existing window frames/openings		High
03.023	Single storey outbuildings on south side		Adverse

Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
03.024	Bridge at east end		Moderate
03.025	Chimneypiece on Ground Floor		Low
03.026	Window in south wall; original dormitory space		Moderate

Schedule of Character Defining Elements




Central Police Station

Element no.	Description	Photo ref.	Significance
03.027	Clay-tiled floor in store room adjacent stairs	 A photograph showing a clay-tiled floor in a store room adjacent to stairs. The floor is made of large, square, reddish-brown tiles. The room appears to be a storage area with some items on the floor and a door visible in the background.	Low

Schedule of Character Defining Elements

Central Police Station

04 Dormitory Block A & B




Element no.	Description	Photo ref.	Significance
04.001	Lay-in grid suspended ceiling		Adverse
04.002	Timber thresholds at external doors and internal doors between main corridor and individual rooms		Low
04.003	Plaster box cornice		Moderate

Schedule of Character Defining Elements
Central Police Station




Element no.	Description	Photo ref.	Significance
04.004	Rainwater goods		Adverse
04.005	Exterior decorations		Adverse
04.006	Block existing door openings		Moderate

Schedule of Character Defining Elements

Central Police Station




Element no.	Description	Photo ref.	Significance
04.007	Form new door openings		Moderate
04.008	Altered doors and windows		Adverse
04.009	Window frames in arcades of North and East elevations		Adverse

Schedule of Character Defining Elements
Central Police Station

Element no.	Description	Photo ref.	Significance
04.010	External airconditioning units and other external services		Adverse
04.011	Stair balustrades		High
04.012	Stair from First to Second Floor		High




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
04.013	External verandahs		High
04.014	Painted signs		High
04.015	Fixed signs		Low-High




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
04.016	Pitched roofs		High
04.017	Toilets at ends of verandahs		Adverse
04.018	Partitions at GF Dormitory A		High



Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
04.019	Switchgear in old porch 04/G/13		Adverse
04.020	Flat plywood ceiling lining with plain rectangular cover battens		Adverse
04.021	Steps up to doorway on FF verandah		Moderate



Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
04.022	Timber boarded floors with moulded skirtings		High
04.023	Cantilever balconies		High
04.024	Clay tile floor		Low

Schedule of Character Defining Elements




Central Police Station

Element no.	Description	Photo ref.	Significance
04.025	Matched-boarded ceiling with perforated border		Moderate
04.026	Ceiling rose		Low

Schedule of Character Defining Elements





Central Police Station

06 Dormitory C

Element no.	Description	Photo ref.	Significance
06.001	Granite thresholds at external doors		Low
06.002	Pitched roof		High
06.003	Rainwater goods		Adverse





Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
06.004	Exterior decorations		Adverse
06.005	Altered doors and windows		Adverse
06.006	External airconditioning units and other external services		Adverse
06.007	Painted signs		High



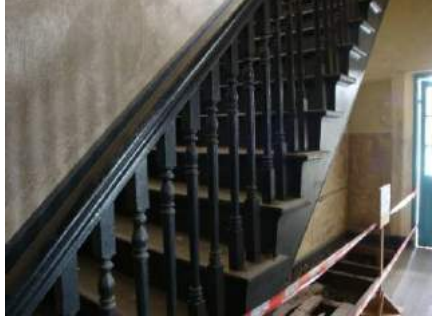
Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
06.008	Fixed signs		Low-High
06.009	Cantilever balconies		High
06.010	Iron balustrades		High
06.011	Perforated margin at perimeter of ceiling		Low

Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
06.012	Block existing door openings		Moderate
06.013	Form new door openings		Moderate
06.014	Stair balustrades		High




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
06.015	Timber floors		High
06.016	Vinyl tile floor		Adverse
06.017	Batten and panel ceiling lining		Low
06.018	Exposed roof covering		Moderate


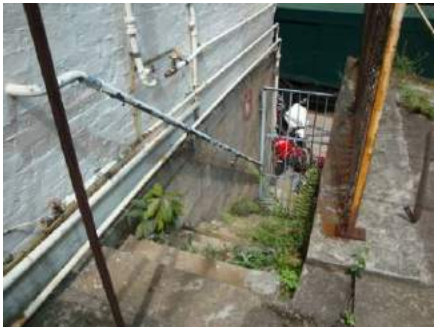

Schedule of Character Defining Elements
Central Police Station

07 Dormitory D

Element no.	Description	Photo ref.	Significance
07.001	Pitched roofs		High
07.002	Rainwater goods		Adverse
07.003	Exterior decorations		Adverse





Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
07.004	Altered doors and windows		Adverse
07.005	External airconditioning units and other external services		Adverse
07.006	Clothes drying racks		Adverse



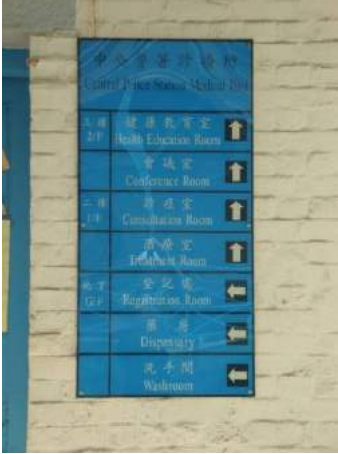
Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
07.008	Lay-in grid suspended ceiling		Adverse
07.009	Corbelled brickwork at perimeter of room		Low
07.010	Plywood floor		Adverse
07.011	Timber thresholds at external doors and internal doors between main corridor and individual rooms		Low

Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
07.012	Form new door openings		Moderate
07.013	Stair balustrades		High
07.014	Fixed signs		Low-High




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
07.015	Exposed roof tiling		Moderate
07.016	Concrete floor		Adverse


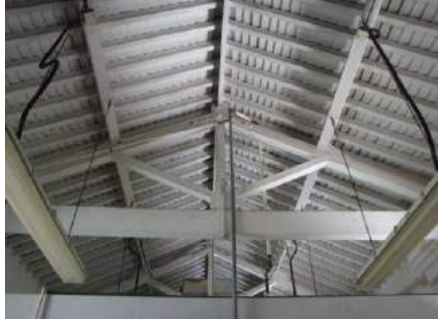

Schedule of Character Defining Elements
Central Police Station

08 Ablutions Block

Element no.	Description	Photo ref.	Significance
08.001	Panelled doors		Low
08.002	Rainwater goods		Adverse
08.003	Exterior decorations		Adverse




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
08.004	Block existing door openings		Moderate
08.005	Timber roof structure		High
08.006	External stair at west end		Moderate




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
08.007	External airconditioning units and other external services		Adverse
08.008	Painted signs		High
08.009	Wire mesh screens		Adverse




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
08.010	Internal walls and concrete floors		Low
08.011	Cantilever balconies on north side		Moderate
08.012	Bridge access to Barrack Block		Moderate




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
08.013	Balcony balustrades		Low
08.014	Single-storey outbuilding with pitched roof over		Low
08.015	Corrugated steel sheet on balcony balustrades		Adverse

Schedule of Character Defining Elements
Central Police Station

09 Magistracy

Element no.	Description	Photo ref.	Significance
09.001	Lay-in grid suspended ceiling		Adverse
09.002	Modern partitions		Adverse
09.003	Internal walls		Moderate

Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
09.004	Plaster box cornice		Moderate
09.005	Panelled doors		Moderate
09.006	Block existing door openings		Moderate
09.007	Form new door openings		Moderate





Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
09.008	Stair balustrades		High
09.009	Fixed signs		Low-High
09.010	External airconditioning units and other external services		Adverse
09.011	Pitched roofs		High




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
09.012	Rainwater goods		Moderate
09.013	Metal walkways across lightwell		Adverse
09.014	Altered doors and windows		Adverse
09.015	Sloping canopy over external stair on west side		Adverse

Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
09.016	Single storey secure shelter at North West corner		Low
09.017	Iron railing adjacent south side of item 09.016 above		Moderate
09.018	Public toilets in 09/LG1/17, 24		Adverse

Schedule of Character Defining Elements
Central Police Station

Element no.	Description	Photo ref.	Significance
09.019	Cell doors		High
09.020	Meeting room at G/02-05		Moderate
09.021	Lobbies within entrance hall G/12		Adverse



Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
09.022	Public galleries on FF		Adverse
09.023	Chimney piece		Moderate
09.024	Lanterns above entrance hall		Adverse
09.025	Boarded ceilings on Second Floor		High

Schedule of Character Defining Elements




Central Police Station

Element no.	Description	Photo ref.	Significance
09.026	Iron gates at top of external stair		Moderate
09.027	Iron balustrade adjacent terrace at First Floor east side		High

Schedule of Character Defining Elements




Central Police Station

10 Assistant Superintendent's Office

Element no.	Description	Photo ref.	Significance
10.001	Lay-in grid suspended ceiling		Adverse
10.002	Plaster box cornice		Moderate
10.003	Panelled doors and linings		Moderate




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
10.004	Timber boarded floor with moulded skirtings		High
10.005	Exterior decorations		Adverse
10.006	Block existing door openings		Moderate
10.007	Form new door openings		Moderate

Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
10.008	Altered doors and windows		Adverse
10.009	External airconditioning units and other external services		Adverse
10.010	Stair balustrades		High





Schedule of Character Defining Elements

Central Police Station




Element no.	Description	Photo ref.	Significance
10.011	Fixed signs		Low-High
10.012	Pitched roofs		High
10.013	Internal walls		Moderate
10.014	Partitions on SF		Moderate

Schedule of Character Defining Elements

Central Police Station




Element no.	Description	Photo ref.	Significance
10.015	Blocked windows on south elevation of south-east wing		Adverse
10.016	Open-joisted ceiling on Ground Floor of south-east wing		Moderate
10.017	Moulded timber picture rail		Low
10.018	Timber roof structure above south-east wing		Moderate

Schedule of Character Defining Elements
Central Police Station

Element no.	Description	Photo ref.	Significance
10.019	Timber stair		Moderate
10.020	Clay/terrazzo tile floor on Ground Floor and steps		Adverse
10.024	Granite wall on North elevation		High



Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
10.025	Single storey outbuilding at South East corner		Moderate
10.026	Blocked archway on East elevation		Adverse
10.027	Chimney on east elevation		Low

Schedule of Character Defining Elements




Central Police Station

Element no.	Description	Photo ref.	Significance
10.028	Cantilever balconies		High
10.029	Steps on east elevation		Moderate

Schedule of Character Defining Elements




Central Police Station

11 A Hall

Element no.	Description	Photo ref.	Significance
11.001	Form new door openings		Low
11.002	External airconditioning units and other external services		Adverse
11.003	Painted signs		High




Schedule of Character Defining Elements

Central Police Station




Element no.	Description	Photo ref.	Significance
11.004	Fixed signs		Low-High
11.005	Concrete stairs		Low
11.006	Flat roof		Low

Schedule of Character Defining Elements

Central Police Station


Element no.	Description	Photo ref.	Significance
11.007	Security screen at roof level		Low
11.008	Rainwater goods		Adverse
11.009	Rainwater goods		Low

Schedule of Character Defining Elements
Central Police Station

Element no.	Description	Photo ref.	Significance
11.010	Timber doors		Low
11.011	Security screen and door at First Floor		Low
11.012	Door thresholds and plinth		Low




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
11.013	Metal louvres on window openings		Adverse




Schedule of Character Defining Elements
Central Police Station

12 B Hall

Element no.	Description	Photo ref.	Significance
12.001	Flat roof		Moderate
12.002	Cells at GF level		High
12.003	External airconditioning units and other external services		Adverse




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
12.004	Painted signs		High
12.005	Fixed signs		Low-High
12.006	Rainwater goods		Adverse




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
12.007	Corbelled brickwork at high level in cells	 A photograph showing the interior of a cell. The walls are made of light-colored brickwork with a corbelled pattern at the top. A window with a dark frame is visible on the left wall. The ceiling is white with a recessed light fixture.	Low
12.008	Barbed wire	 A photograph showing the exterior of a brick wall. A metal pipe runs horizontally across the wall, and a section of barbed wire is visible on the right side. The sky is blue in the background.	Moderate
12.009	External walls	 A photograph showing the exterior of a brick wall. Several air conditioning units are mounted on the wall. A vertical pipe runs down the side of the wall. The sky is blue in the background.	Moderate




Schedule of Character Defining Elements
Central Police Station

13 C Hall

Element no.	Description	Photo ref.	Significance
13.001	External airconditioning units and other external services		Adverse
13.002	Door to Ladder Store		Low
13.003	Security bars at window openings		Low




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
13.004	Flat roof		Low
13.005	Eaves detail		Low
13.006	Cantilever reinforced concrete canopy		Low




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
13.007	Internal partition walls		Low
13.008	Fixed signs		Low-High
13.009	Metal window frames		Moderate




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
13.010	Internal security screens		Moderate
13.011	Coving at abutments between RC beams and walls		Low
13.012	Communal cells at Ground Floor		Moderate


Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
13.013	Rooflight and security bars over communal cells	 A photograph showing a view looking up at a rooflight structure. The rooflight consists of a grid of dark metal bars over a translucent material, likely polycarbonate or glass. The structure is supported by dark metal beams.	Moderate
13.014	Granite threshold at external door openings	 A photograph showing a close-up of a granite threshold at an external door opening. The threshold is a thick, rectangular block of light-colored granite, set into a concrete base. The door is partially visible on the right side of the frame.	Low
13.015	Timber boarded doors with fanlight over	 A photograph showing a timber boarded door set within a brick wall. The door is made of dark wood with a fanlight window above it. The brickwork is red and shows some signs of wear. A fire extinguisher is visible to the left of the door.	Low




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
13.015	Vinyl tile floor		Adverse




Schedule of Character Defining Elements
Central Police Station

14 D Hall East Wing

Element no.	Description	Photo ref.	Significance
14.001	West entrance at Lower Ground Floor		Moderate
14.002	Half-round headed doorway and side lights		Moderate
14.003	Granite surround to cells (generally north side, alternating with brick surrounds – see next item)		Moderate




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
14.004	Brick reveals with bull-nosed arrisses and segmental arch over (generally north side, alternating with granite surrounds – see previous item)		High
14.005	Arched opening at East end First Floor		Low
14.006	Concrete floor generally at Lower Ground Floor		Low




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
14.007	Part-blocked windows at Lower Ground Floor - extent of blocking varies.		Moderate
14.008	External granite stair from Lower Ground to Ground Floor level		Moderate
14.009	Ashlar pattern on external walls		Moderate




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
14.010	Blocked doorway at south-east corner		Low
14.011	Metal security gate and screen		Low
14.012	Half-round headed doorway and side lights at Ground Floor west end		Moderate




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
14.013	Structural steelwork bracing and temporary access stair		Adverse
14.014	RC staircase at north-east corner		Low
14.015	Vinyl tile floor on suspended timber floor		Adverse




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
14.016	Cell walls at Ground Floor		Moderate
14.017	Mortuary		High
14.018	Brickwork surrounds to doorways with segmental arches over		Moderate




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
14.019	Granite surrounds to doorways with lintels over		Moderate
14.020	Flat ceilings at Ground Floor		Low
14.021	Arched opening at east end		Low

Schedule of Character Defining Elements




Central Police Station

Element no.	Description	Photo ref.	Significance
14.022	Top-lit central hall		High
14.023	Arches across central hall at First Floor		Moderate
14.024	Inset security gate and screen in First Floor cells		Low

Schedule of Character Defining Elements




Central Police Station

14 D Hall West Wing

Element no.	Description	Photo ref.	Significance
14.030	Main stair		High
14.031	Brick vault over central hall at Ground Floor		High
14.032	Terrazzo floor in central hall at Ground floor		Moderate




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
14.033	Brick vaults above cells		High
14.034	Cell walls (later additions)		Moderate
14.035	Brickwork spandrels below cell windows on south side at Ground Floor		Moderate




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
14.036	Cell walls flanking central hall		High
14.037	Cell floors		Low
14.038	Partition wall across central hall at Ground Floor		Low




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
14.039	Granite pavement in cross-passage between East and West Wings		Moderate
14.040	Granite threshold at doorway between cross-passage and East Wing		Moderate
14.041	Brick vault over cross-passage		High




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
14.042	Granite floor in central hall at First Floor		Moderate
14.043	Cell walls flanking central hall at First Floor		High
14.044	Brickwork spandrels below cell windows at Second Floor		Moderate





Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
14.045	Metal security screen adjacent main stair		Moderate
14.046	Double-height central hall at Second Floor		High
14.047	View ports adjacent entrance doors		Moderate


Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
14.048	Services installations		Adverse
14.049	Metalwork and structural steel framing on exterior (typical)		Adverse
14.050	Blind arcade, south elevation		Low
14.051	Blind arcade, north elevation		Low

Schedule of Character Defining Elements




Central Police Station

Element no.	Description	Photo ref.	Significance
14.052	Fence wall, east end of D Hall Yard		Low




15 E Hall

Element no.	Description	Photo ref.	Significance
15.001	Dividing walls at Lower Ground Floor		Moderate
15.002	Dividing walls at Lower Ground Floor		Moderate




Schedule of Character Defining Elements
Central Police Station

Element no.	Description	Photo ref.	Significance
15.003	Staircase within Laundry Yard		Moderate
15.004	Services installations		Adverse
15.005	Metal louvres over cell window openings		Low

Schedule of Character Defining Elements
Central Police Station


Element no.	Description	Photo ref.	Significance
15.006	Raised ground level adjacent entrance		Low
15.007	Access balconies and apertures		Moderate
15.008	Central staircase		High

Schedule of Character Defining Elements
Central Police Station

Element no.	Description	Photo ref.	Significance
15.009	Cell walls flanking central hall		High
15.010	Services installations		Adverse
15.011	Balcony balustrades		Moderate




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
15.012	Second Floor central hall		High





Schedule of Character Defining Elements
Central Police Station

17 F Hall

Element no.	Description	Photo ref.	Significance
17.001	Lay-in grid suspended ceiling		Adverse
17.002	Rainwater goods		Low
17.003	Exterior decorations		Adverse





Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
17.004	External airconditioning units and other external services		Adverse
17.005	Fixed signs		Moderate
17.006	Security screen at First Floor entrance		Low
17.007	Metal windows		Moderate




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
17.008	Fixed furniture		Moderate
17.009	Security screens		Moderate
17.010	Timber windows		Moderate
17.011	Communal washing/lavatory facilities		Moderate




Schedule of Character Defining Elements

Central Police Station

Element no.	Description	Photo ref.	Significance
17.012	Blocked up lantern light		Low
17.013	Security gates at Ground openings		Moderate
17.014	Interview booths		High



Schedule of Character Defining Elements

Central Police Station




Element no.	Description	Photo ref.	Significance
17.015	External stair to First Floor		Moderate
17.016	Ground Floor main entrance		Low
17.017	Security screen at Ground Floor main entrance		Low

Schedule of Character Defining Elements

Central Police Station


Element no.	Description	Photo ref.	Significance
17.018	Blue Entrance Gate (facing Old Bailey Street)		High
17.019	Blue Entrance Gate (inner) and enclosed yard		Moderate
17.020	Blue Entrance Gate (inner) facing Prison Yard		Moderate

Schedule of Character Defining Elements
Central Police Station

Element no.	Description	Photo ref.	Significance
17.021	Barbed wire		Moderate
17.022	Metal security bars at windows		Moderate
17.023	External toilets at Ground Floor adjacent East elevation		Low




Schedule of Character Defining Elements

Central Police Station




Element no.	Description	Photo ref.	Significance
17.024	Open Visit Room		Low

Schedule of Character Defining Elements
Central Police Station




19 Bauhinia House

Element no.	Description	Photo ref.	Significance
19.001	Pitched roofs		High
19.002	Chimney		High
19.003	Rainwater goods and other external services		Adverse

Schedule of Character Defining Elements
Central Police Station




Element no.	Description	Photo ref.	Significance
19.004	External stone wall facing		High
19.005	Gun loops		High
19.006	Look-out turret		High

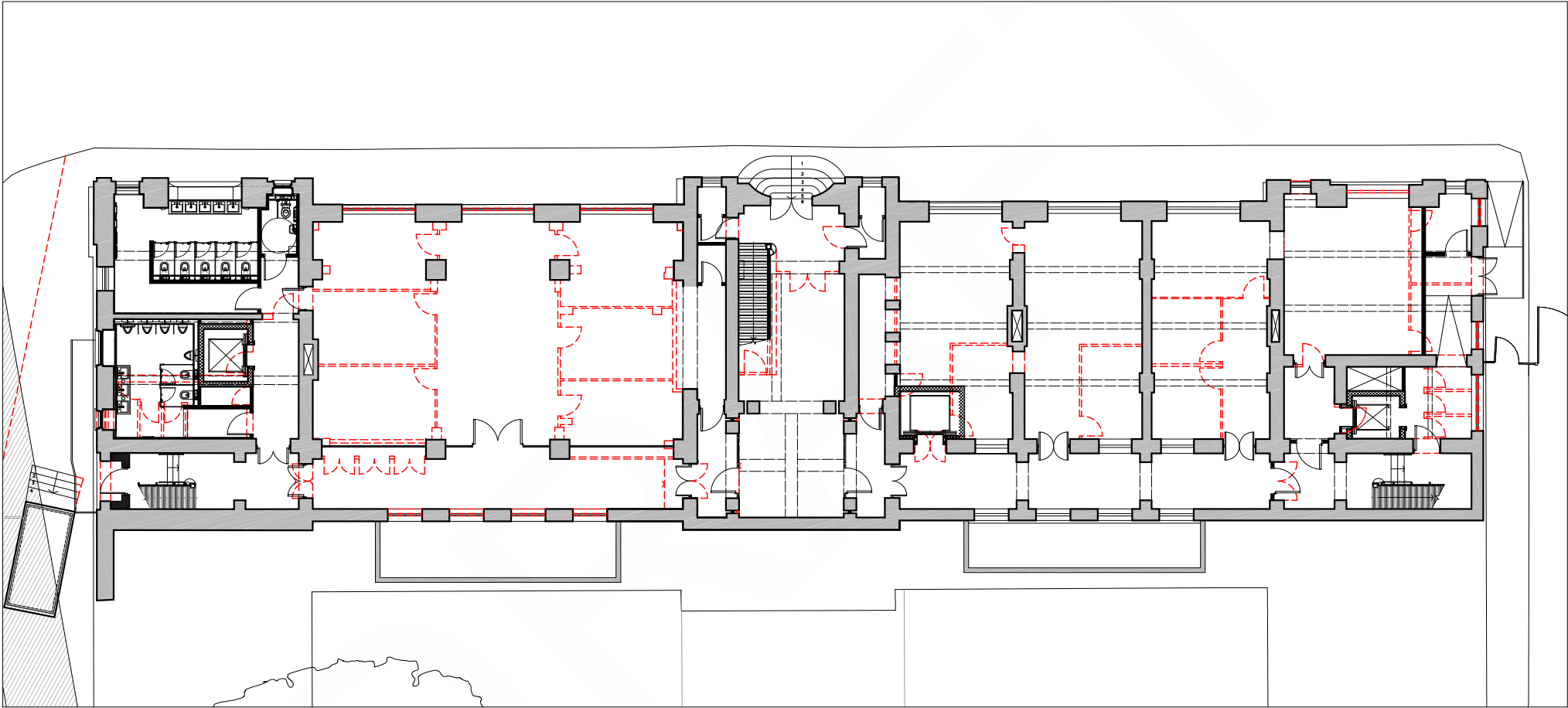
Schedule of Character Defining Elements
Central Police Station

Element no.	Description	Photo ref.	Significance
19.007	Windows		Moderate
19.008	Modern partitions		Adverse
19.009	Electrical services		Adverse

Schedule of Character Defining Elements

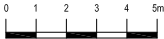
Central Police Station

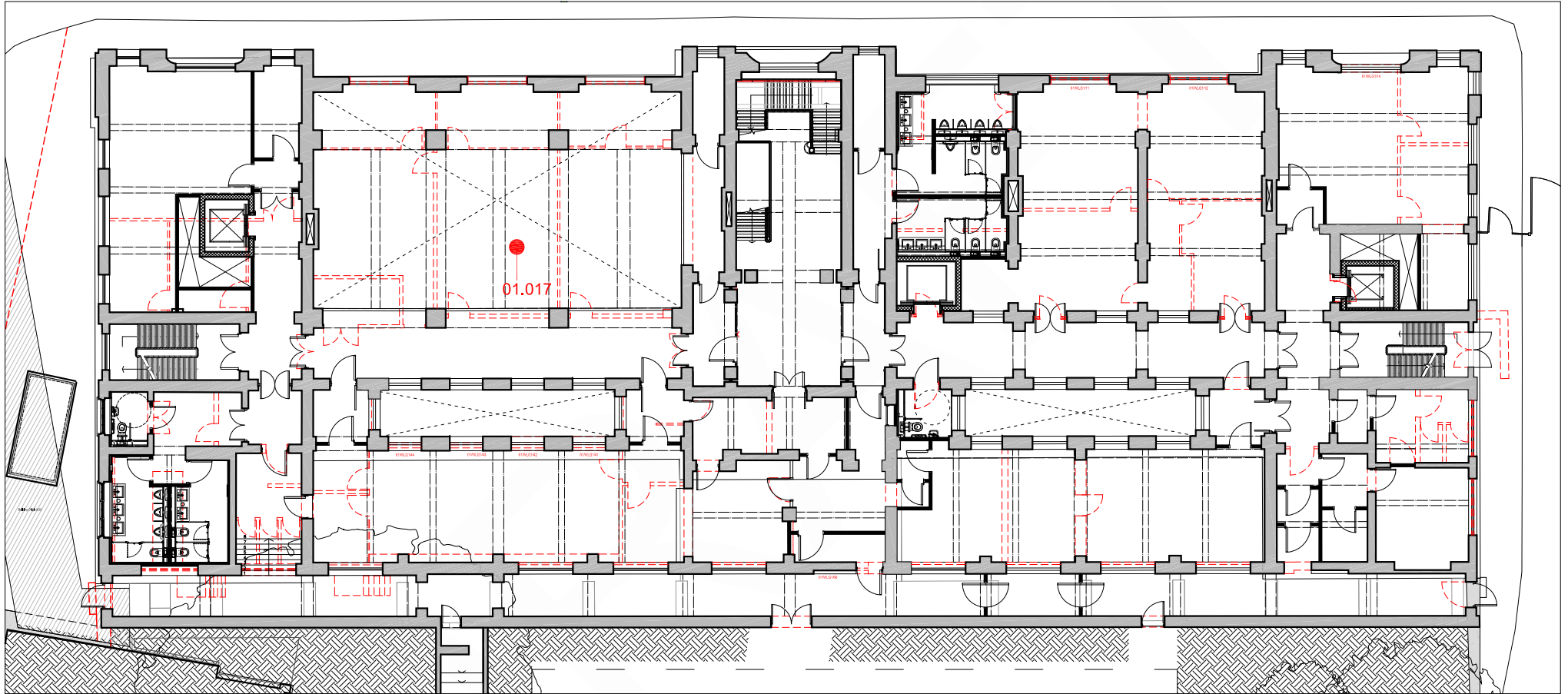
Element no.	Description	Photo ref.	Significance
19.010	Lay-in grid suspended ceiling		Adverse
19.011	Exposed timber roof structure		High
19.012	Timber stair		Moderate



Lower Ground Floor 2 Plan

Building no. 01 Police Headquarters

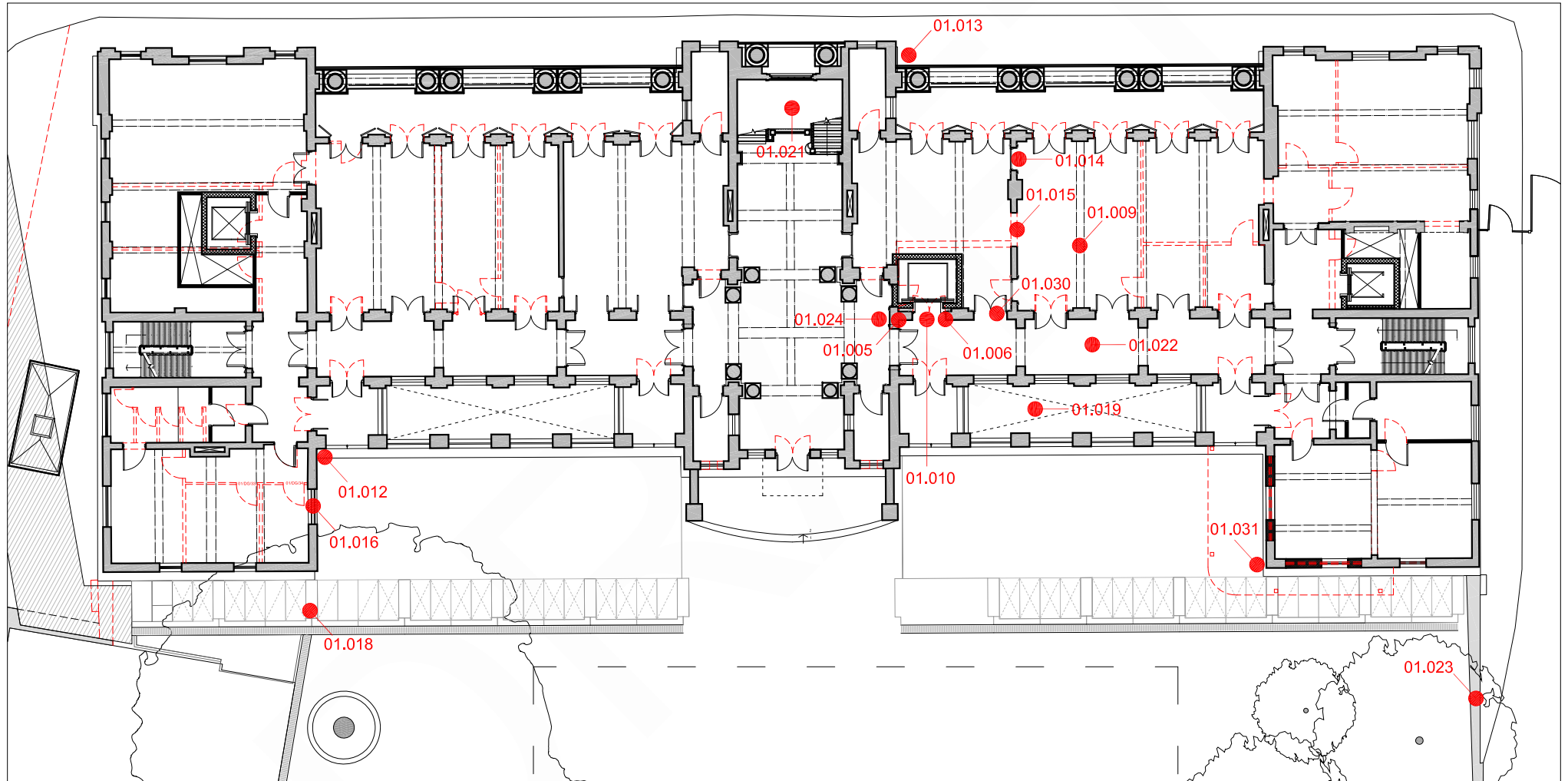




Lower Ground Floor 1 Plan

Building no. 01 Police Headquarters



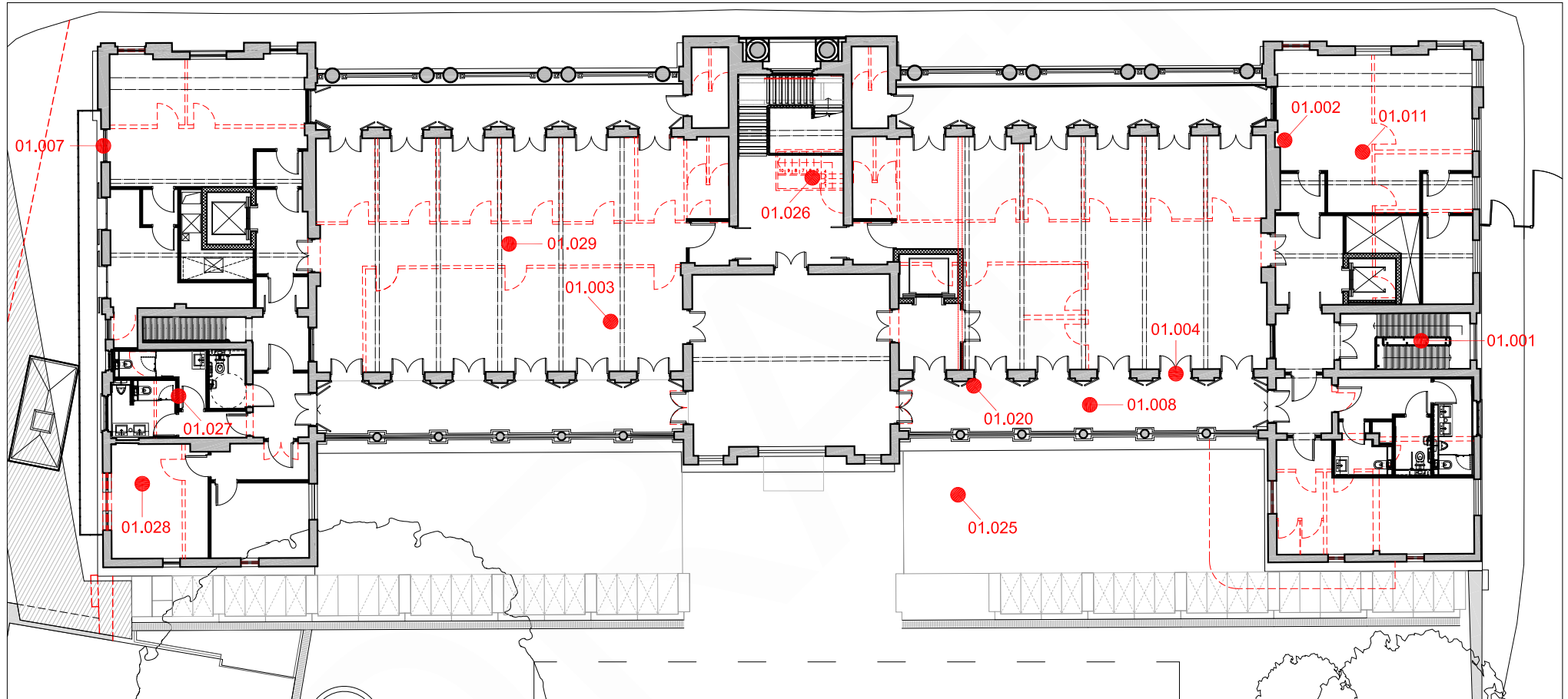


Ground Floor Plan

Building no. 01 Police Headquarters



Date: 22/07/2011

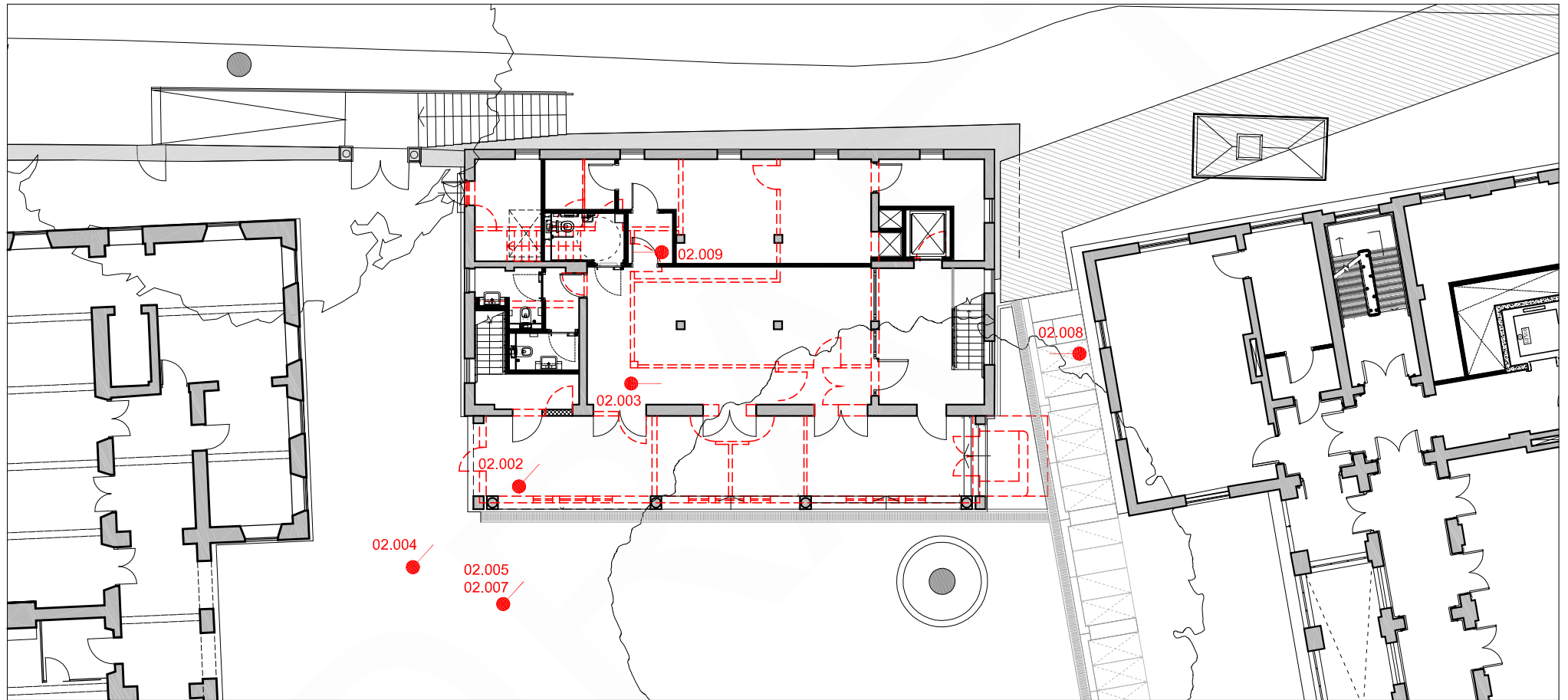


First Floor Plan

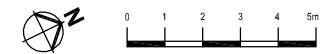
Building no. 01 Police Headquarters

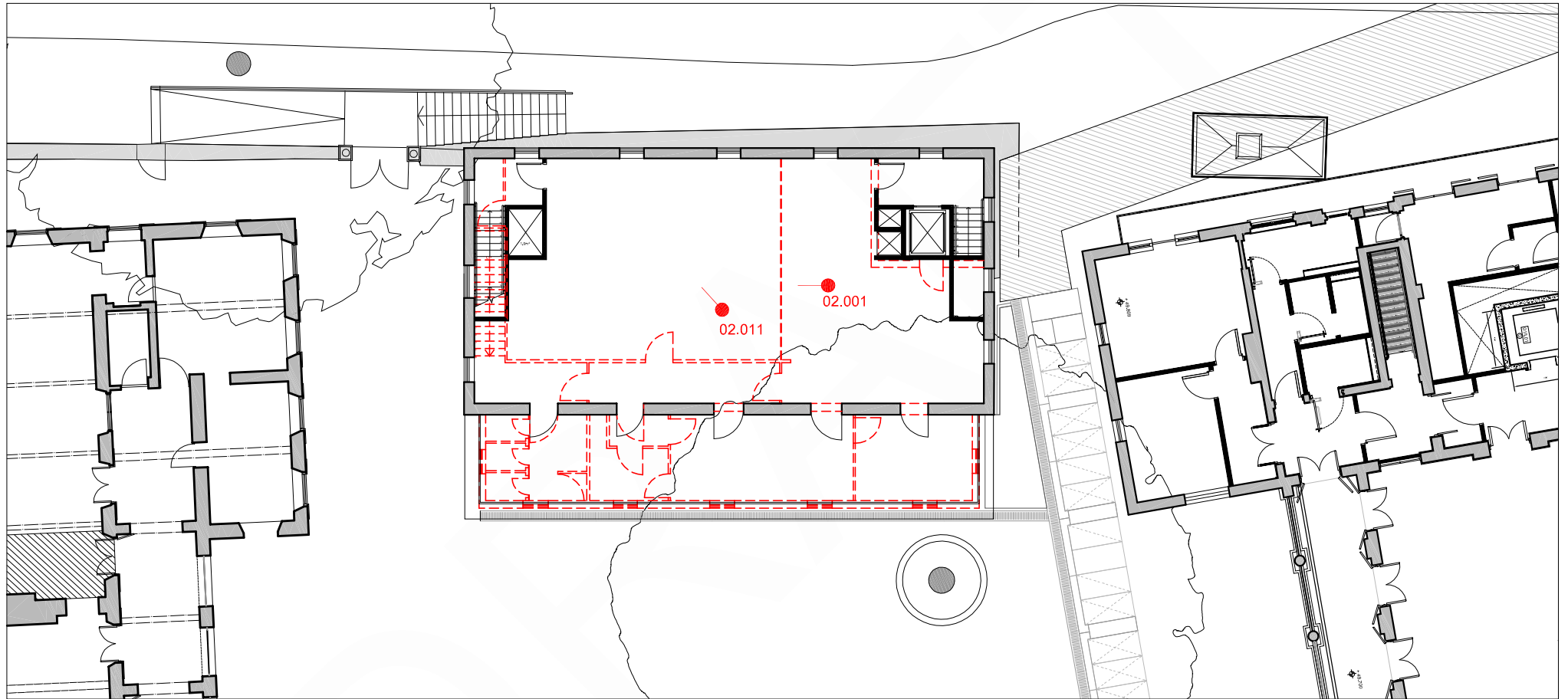


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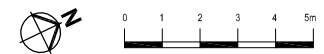


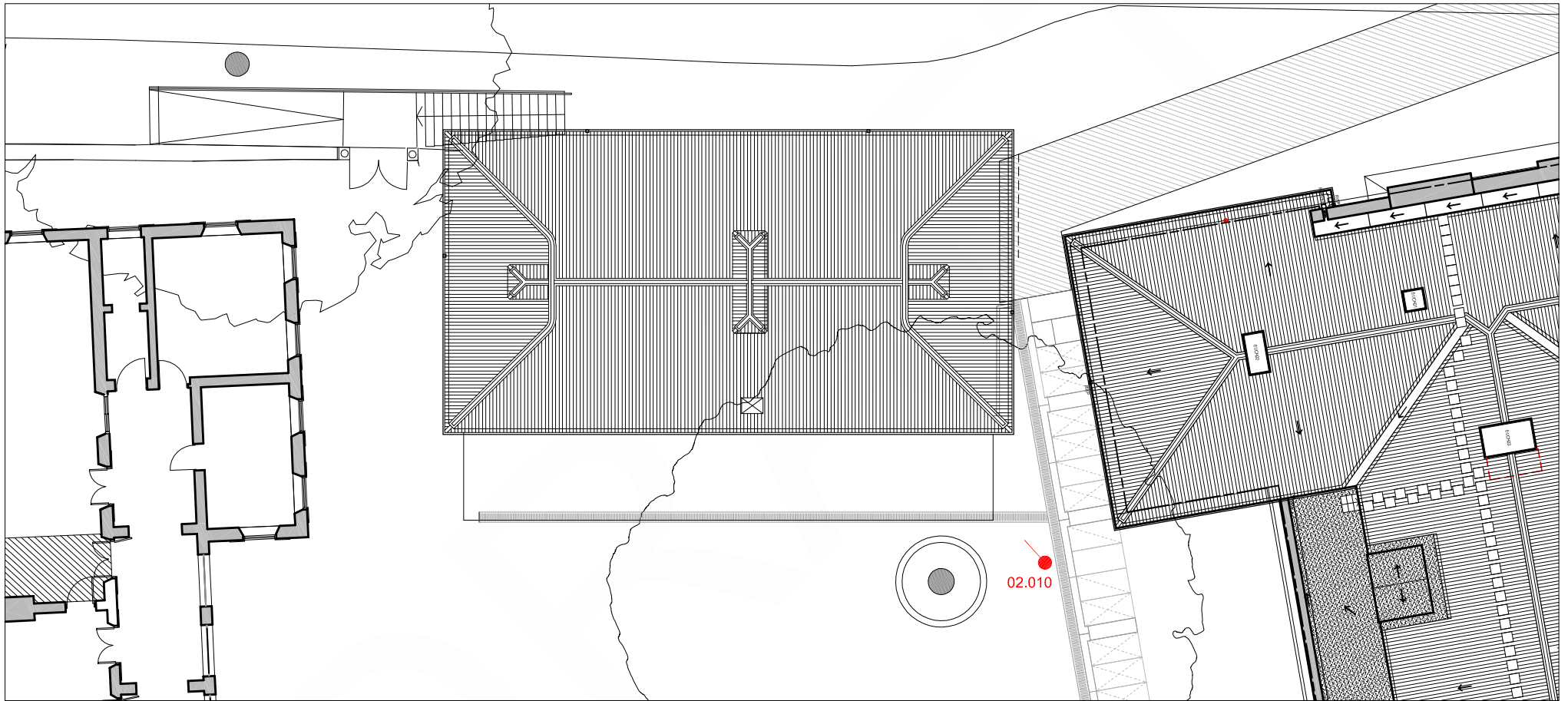
Ground Floor Plan
Building no. 02 Armoury and Store



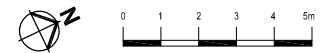


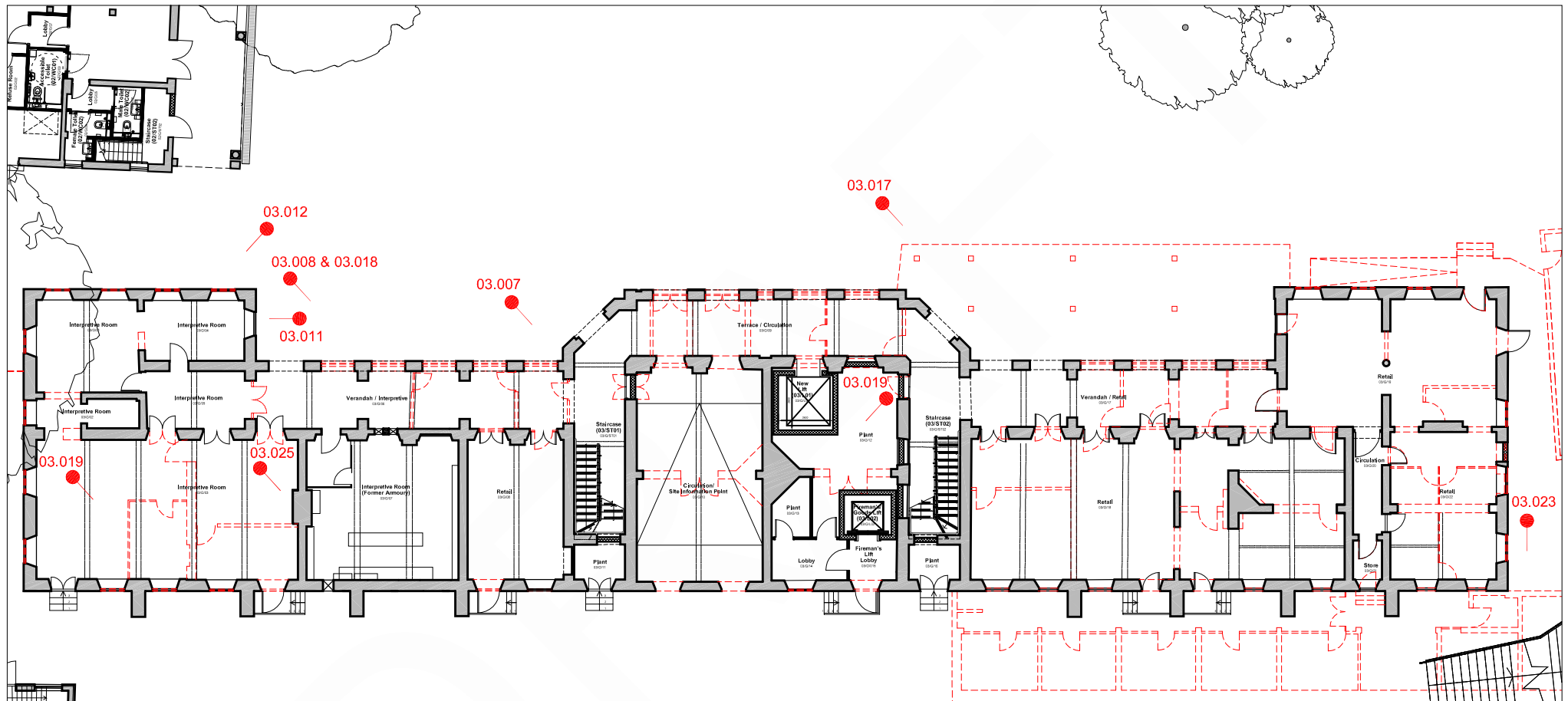
First Floor Plan
Building no. 02 Armoury and Store



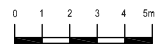


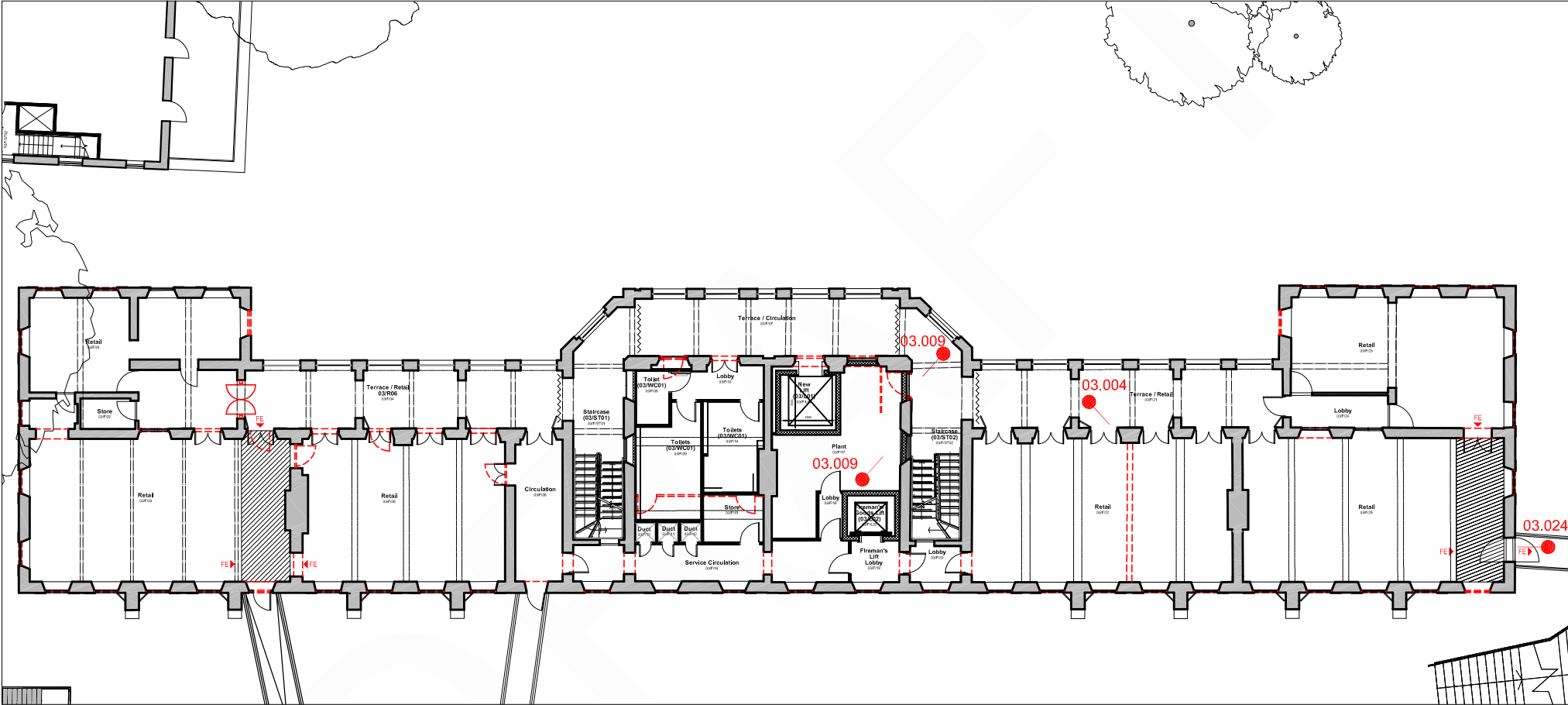
Roof Plan
Building no. 02 Armory and Store



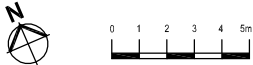


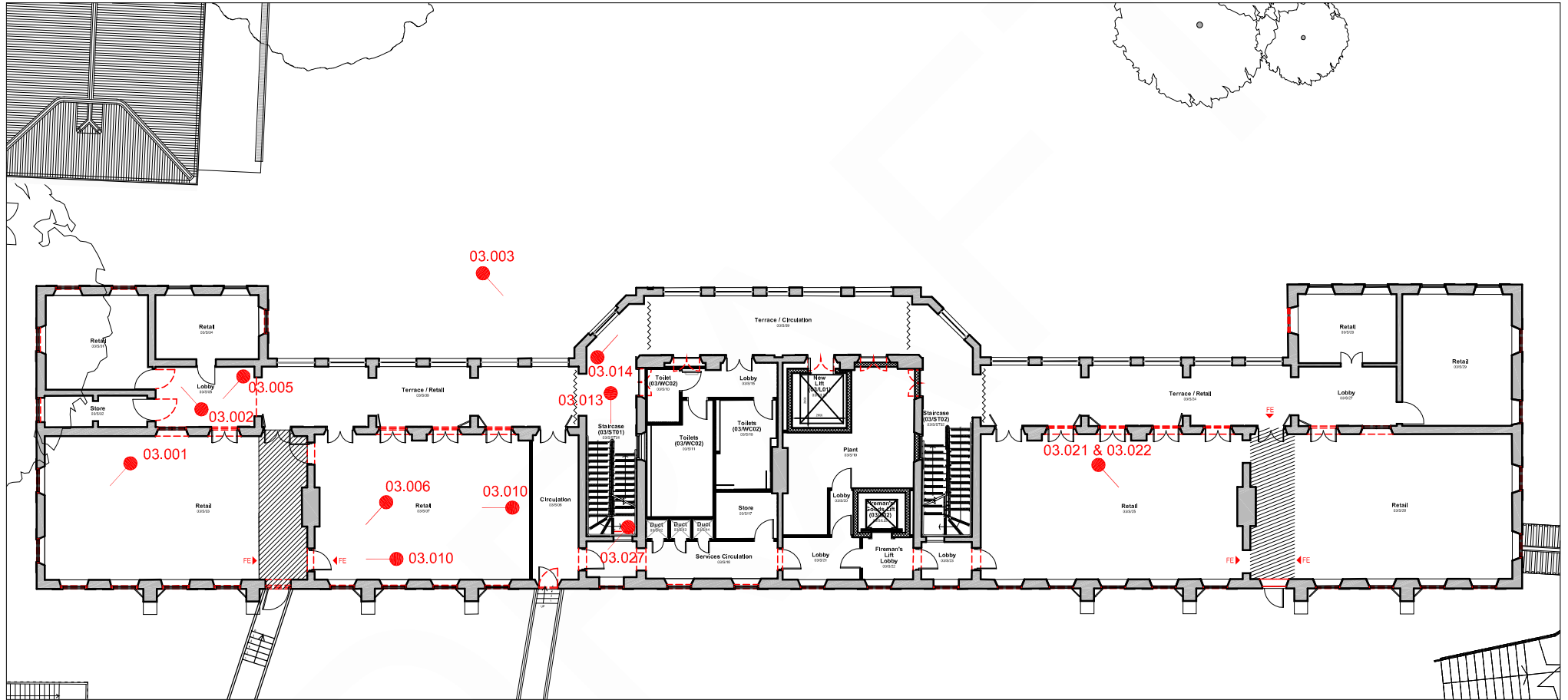
Ground Floor Plan
Building no. 03 Barrack Block



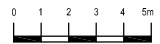


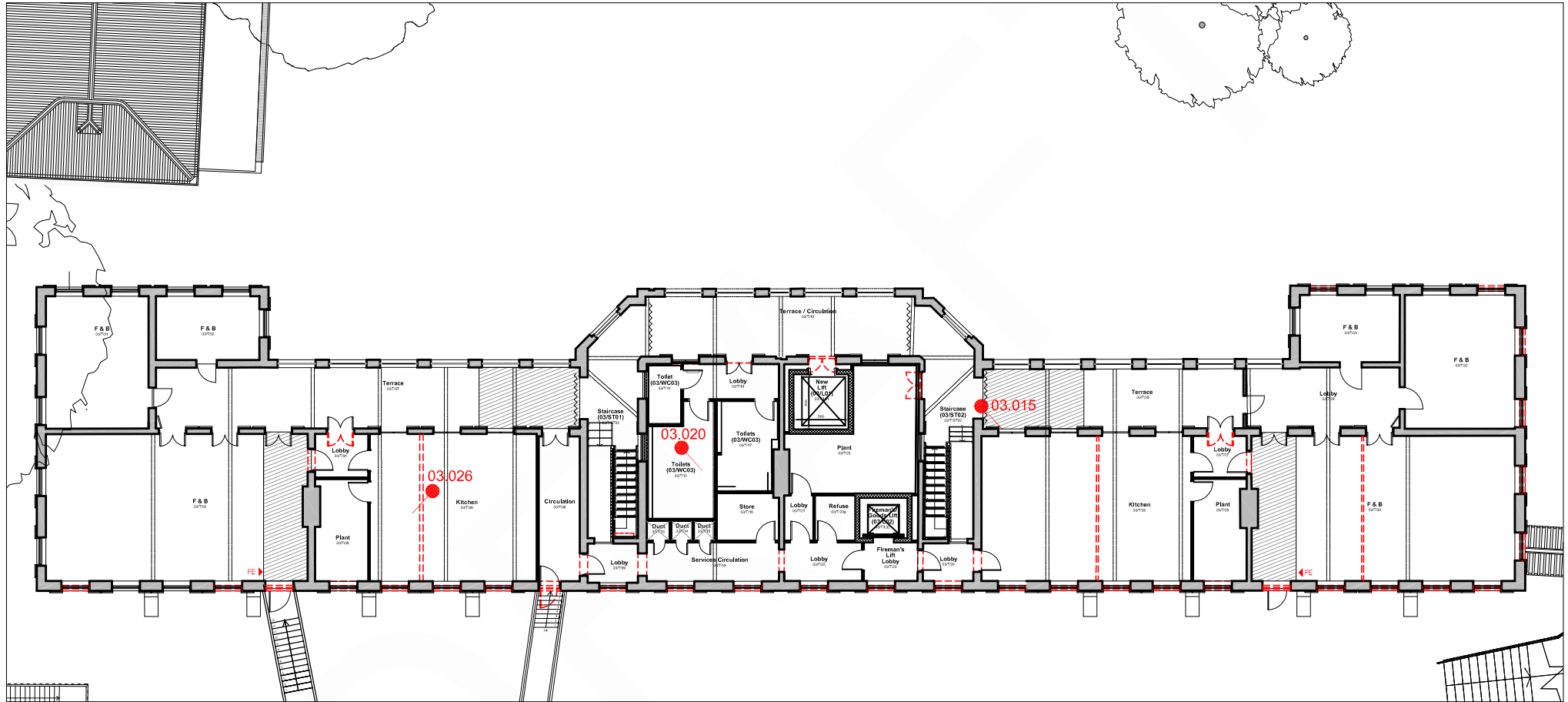
First Floor Plan
Building no. 03 Barrack Block



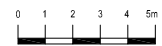


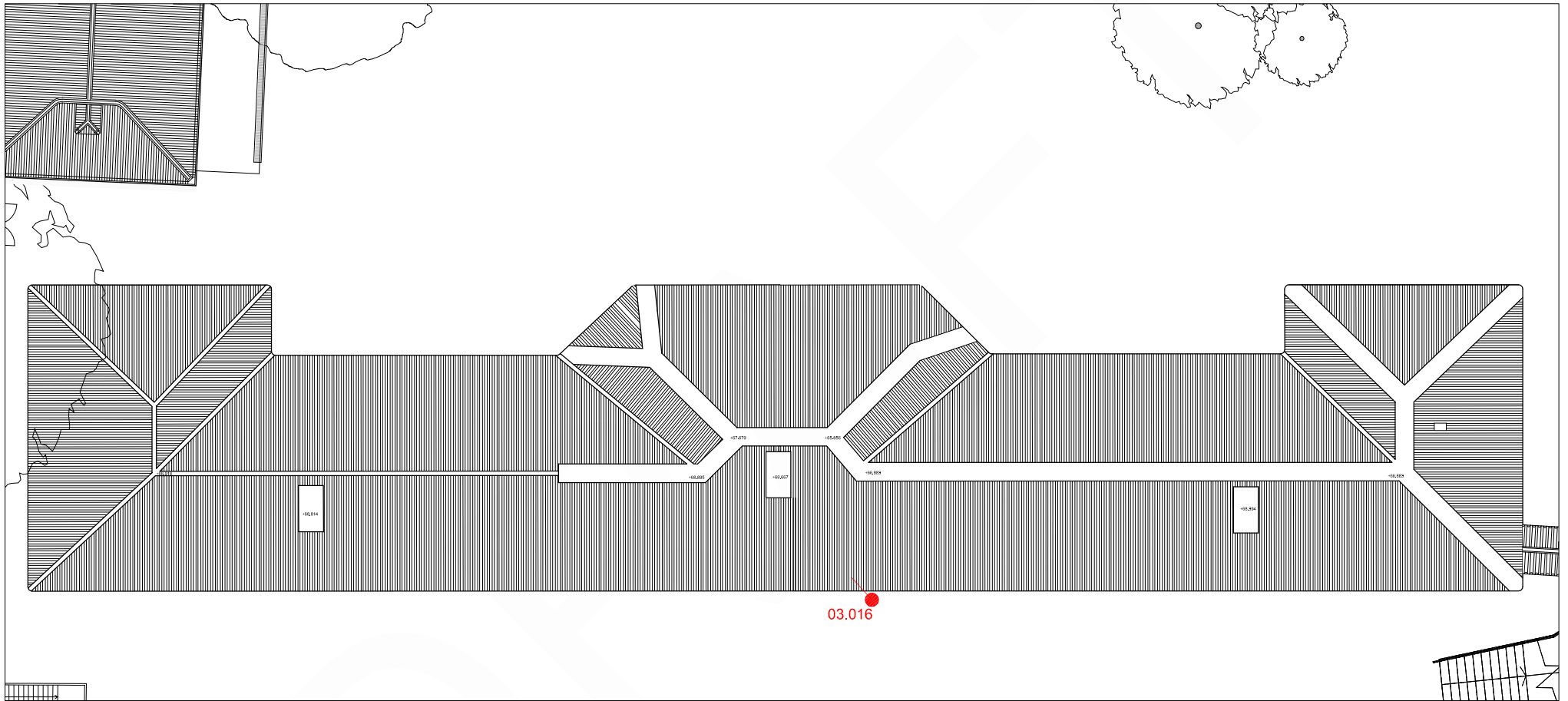
Second Floor Plan
Building no. 03 Barrack Block



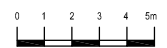


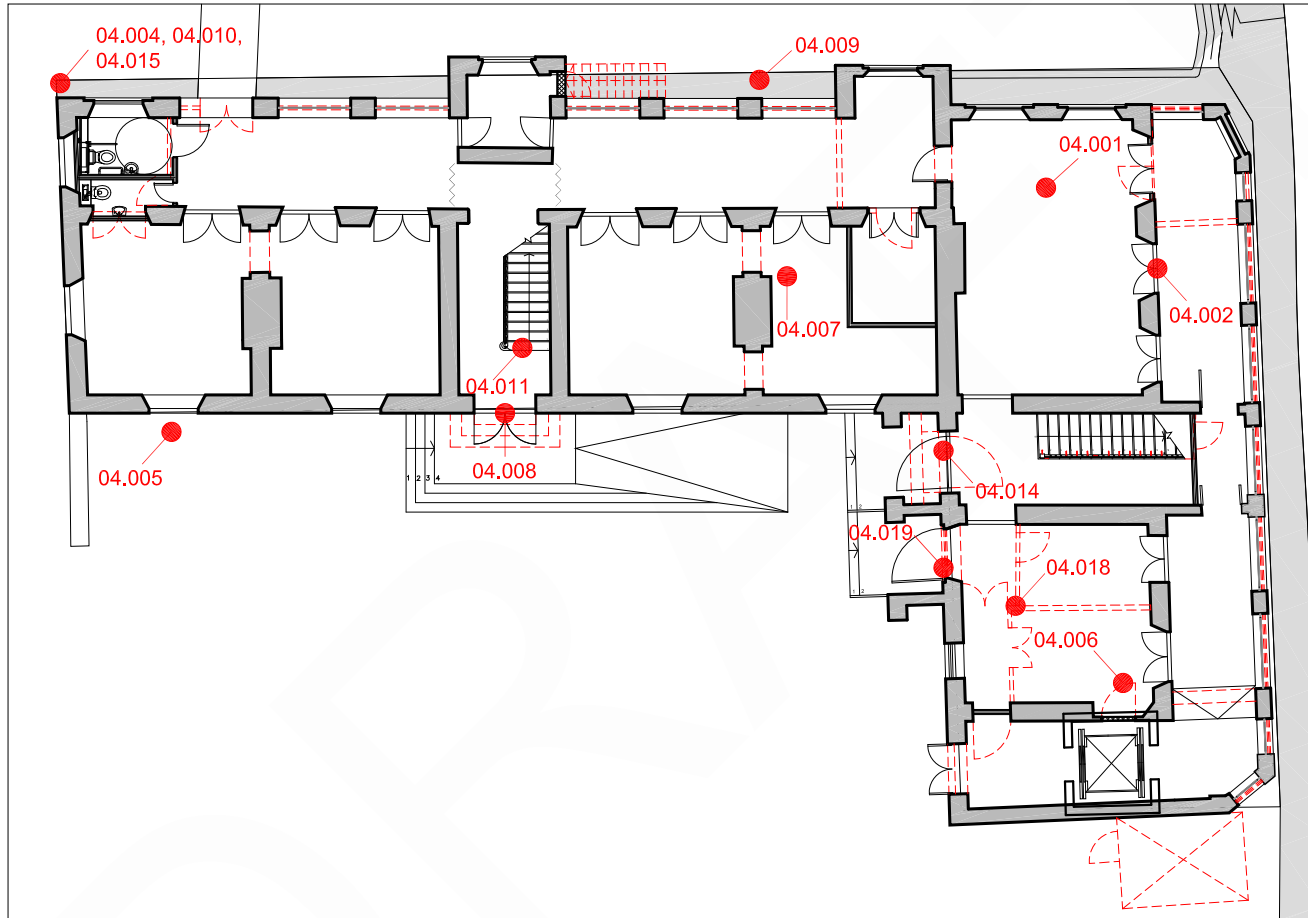
Third Floor Plan
Building no. 03 Barrack Block





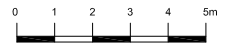
Roof Plan
Building no. 03 Barrack Block

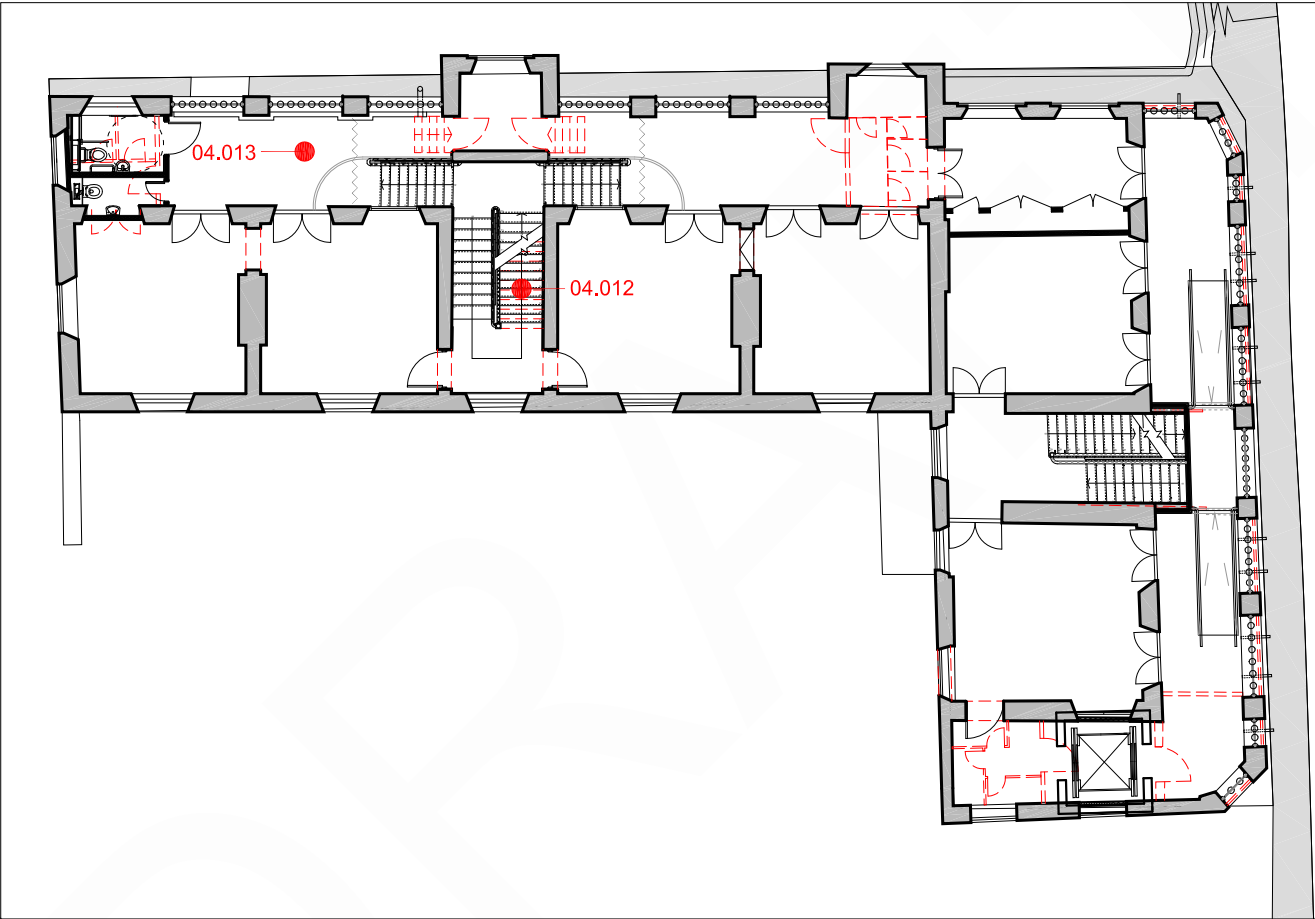




Ground Floor Plan

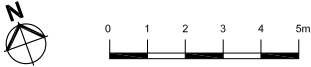
Building no. 04 Deputy Superintendent's House
and Married Inspector's Quarters

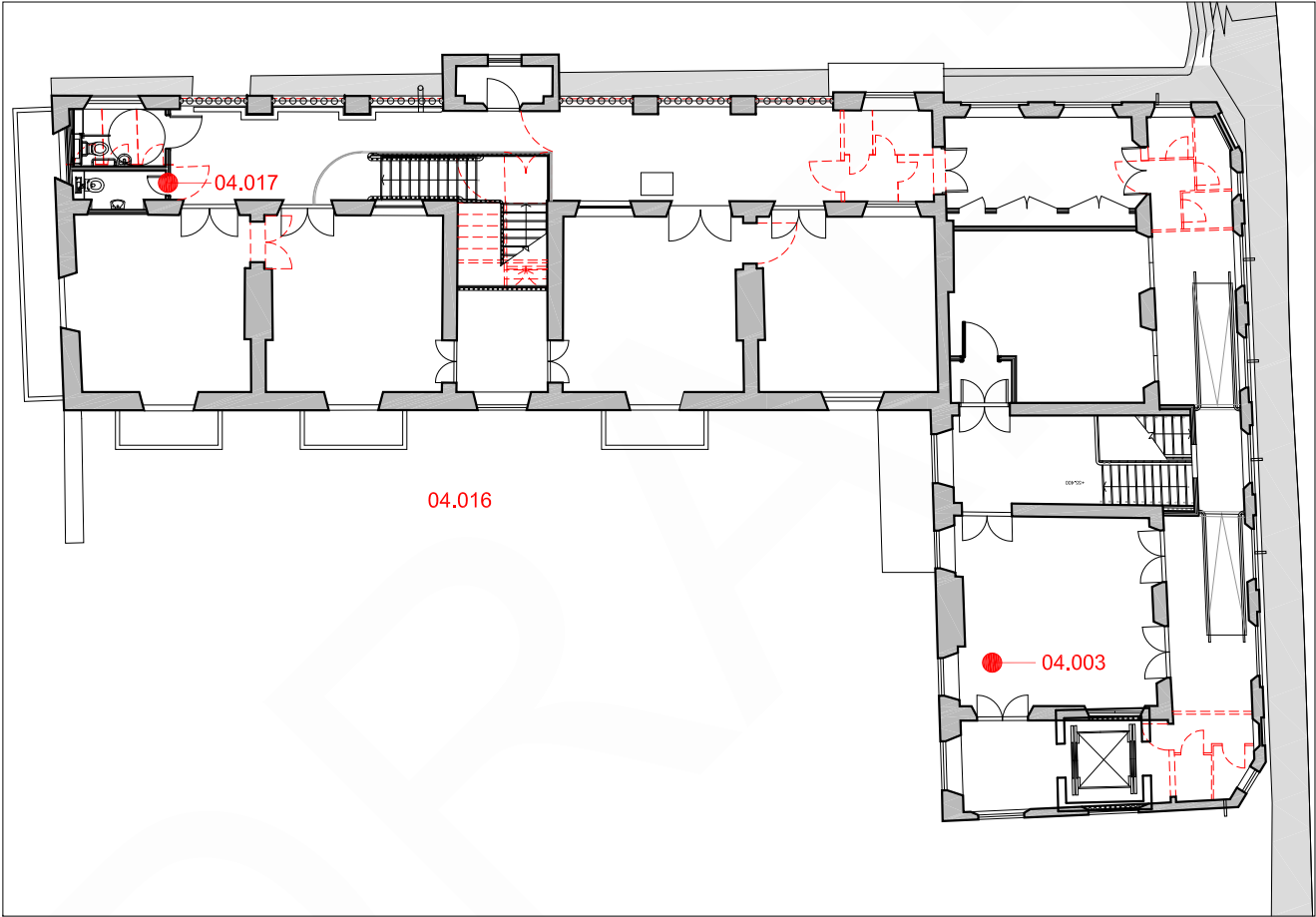




First Floor Plan

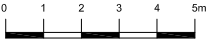
Building no. 04 Deputy Superintendent's House and Married Inspector's Quarters

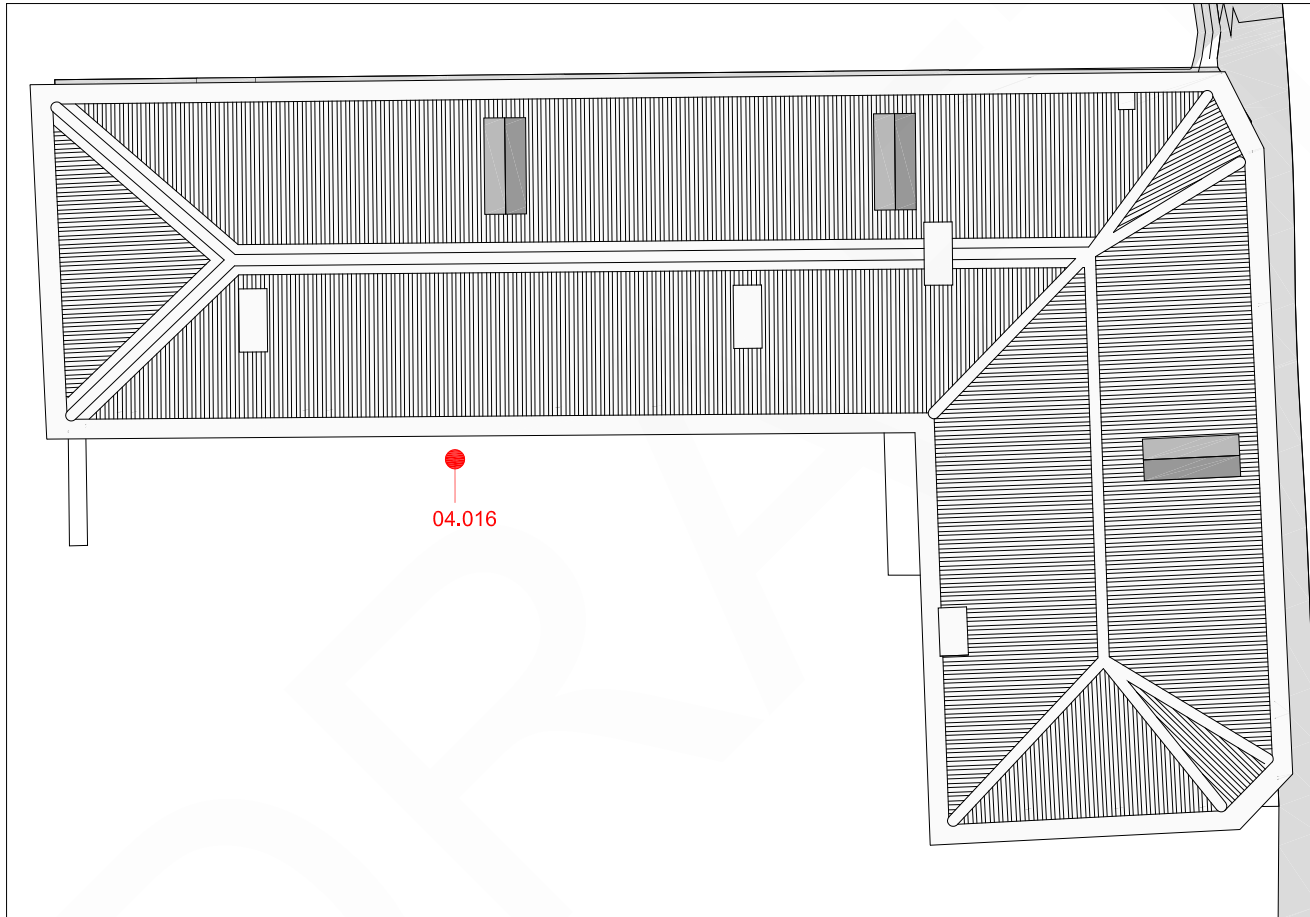




Second Floor Plan

Building no. 04 Deputy Superintendent's House and Married Inspector's Quarters

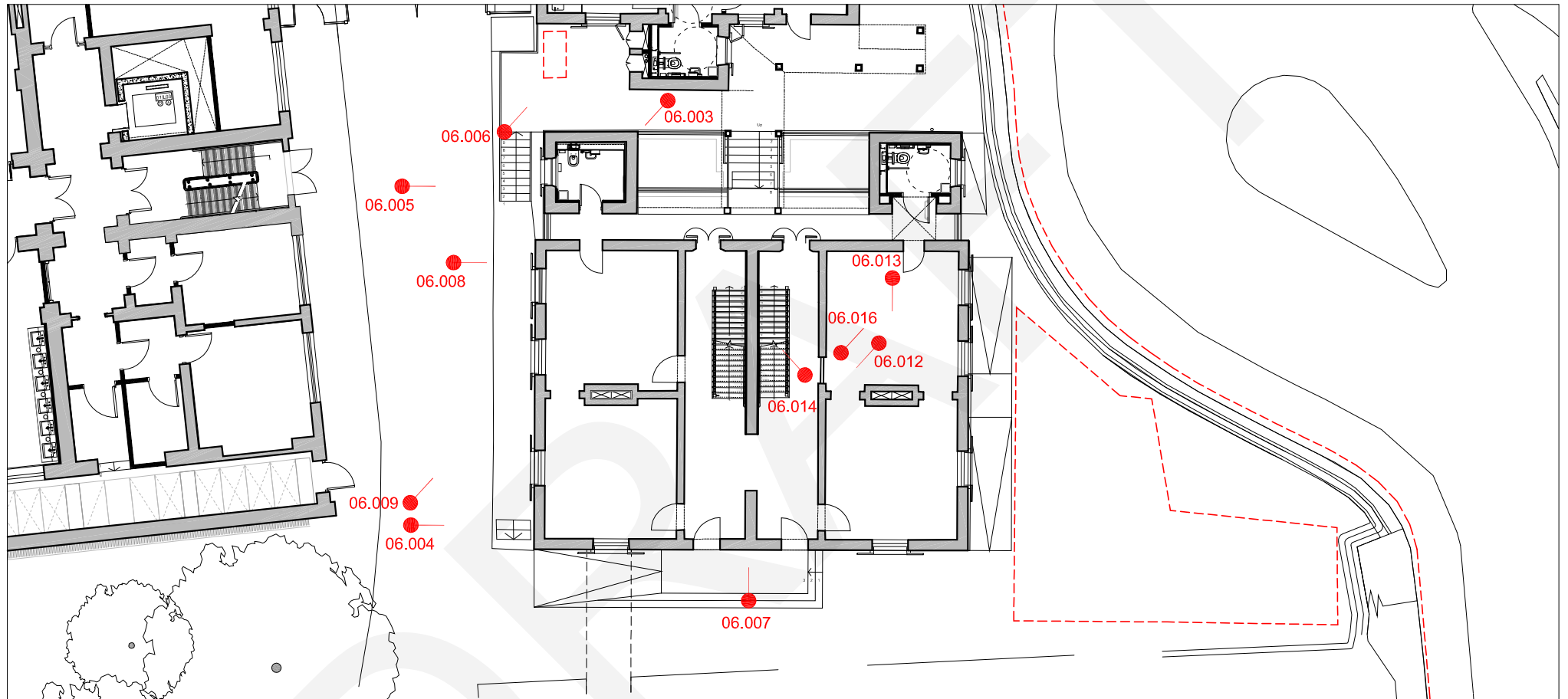




Roof Plan

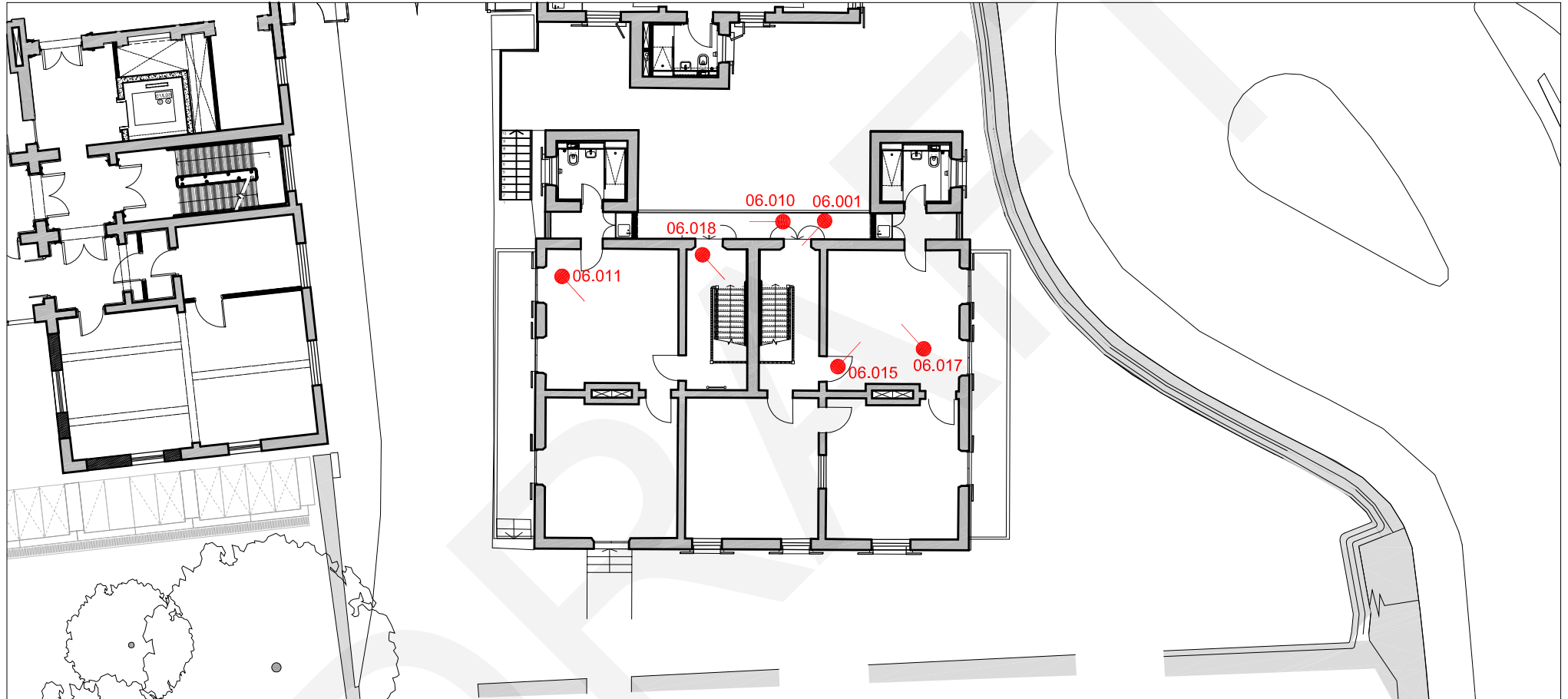
Building no. 04 Deputy Superintendent's House
and Married Inspector's Quarters





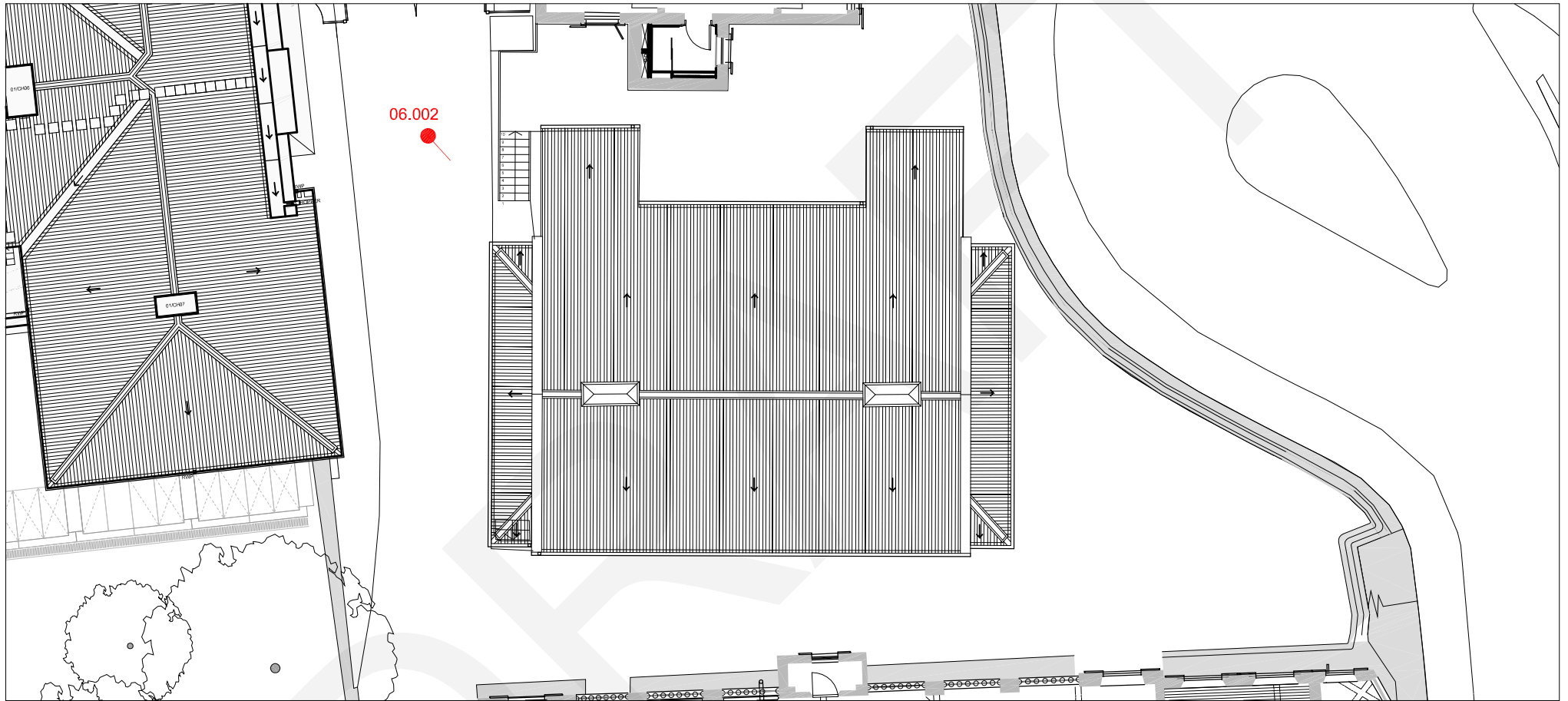
Ground Floor Plan
Building no. 06 Married Sergeant's Quarters





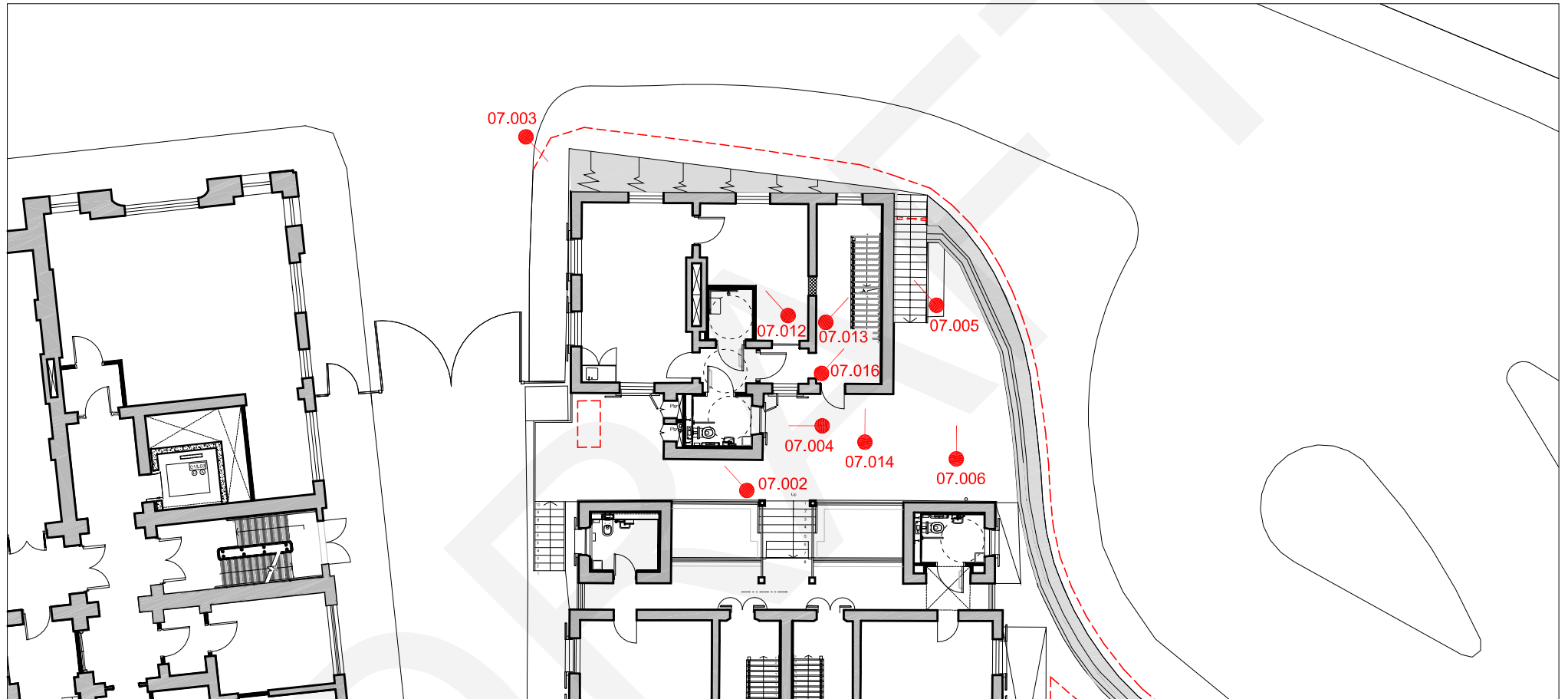
First Floor Plan
Building no. 06 Married Sergeant's Quarters





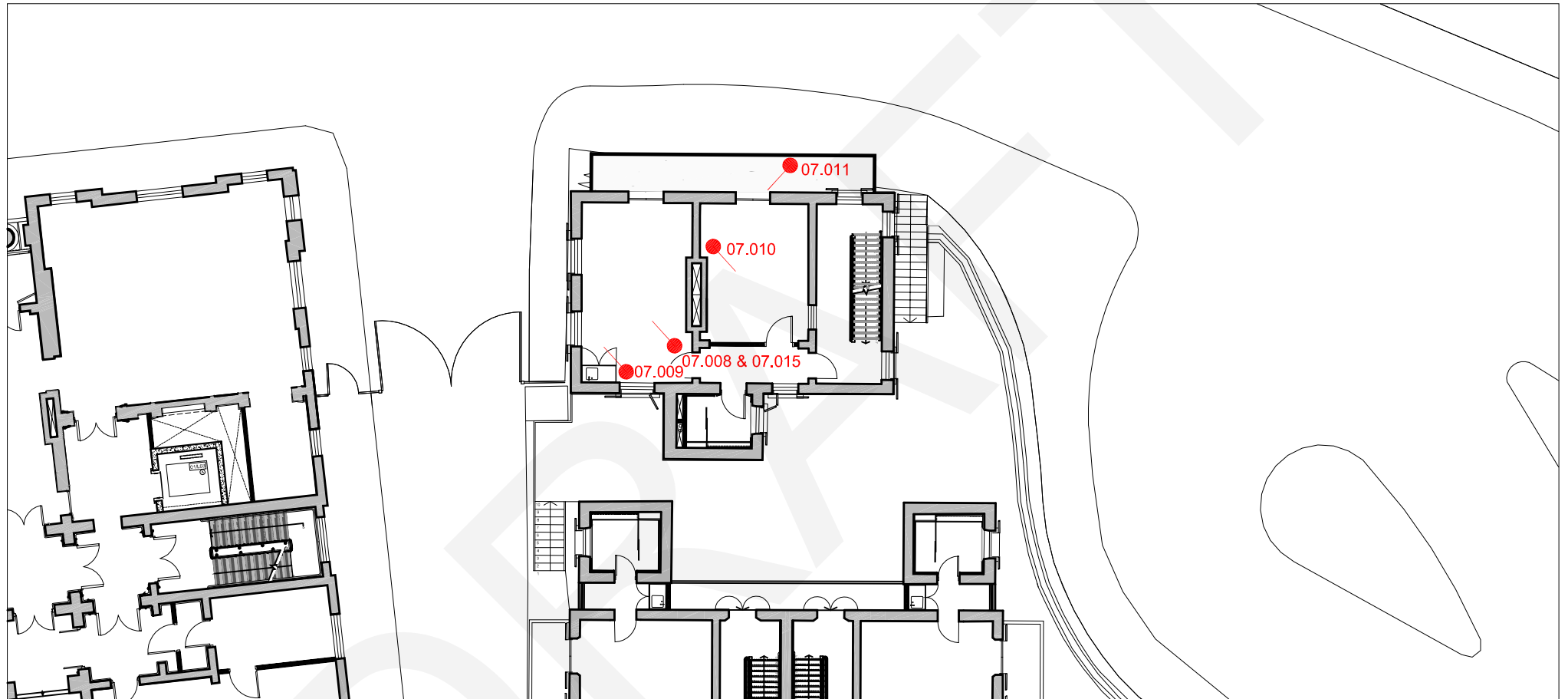
Roof Plan
Building no. 06 Married Sergeant's Quarters





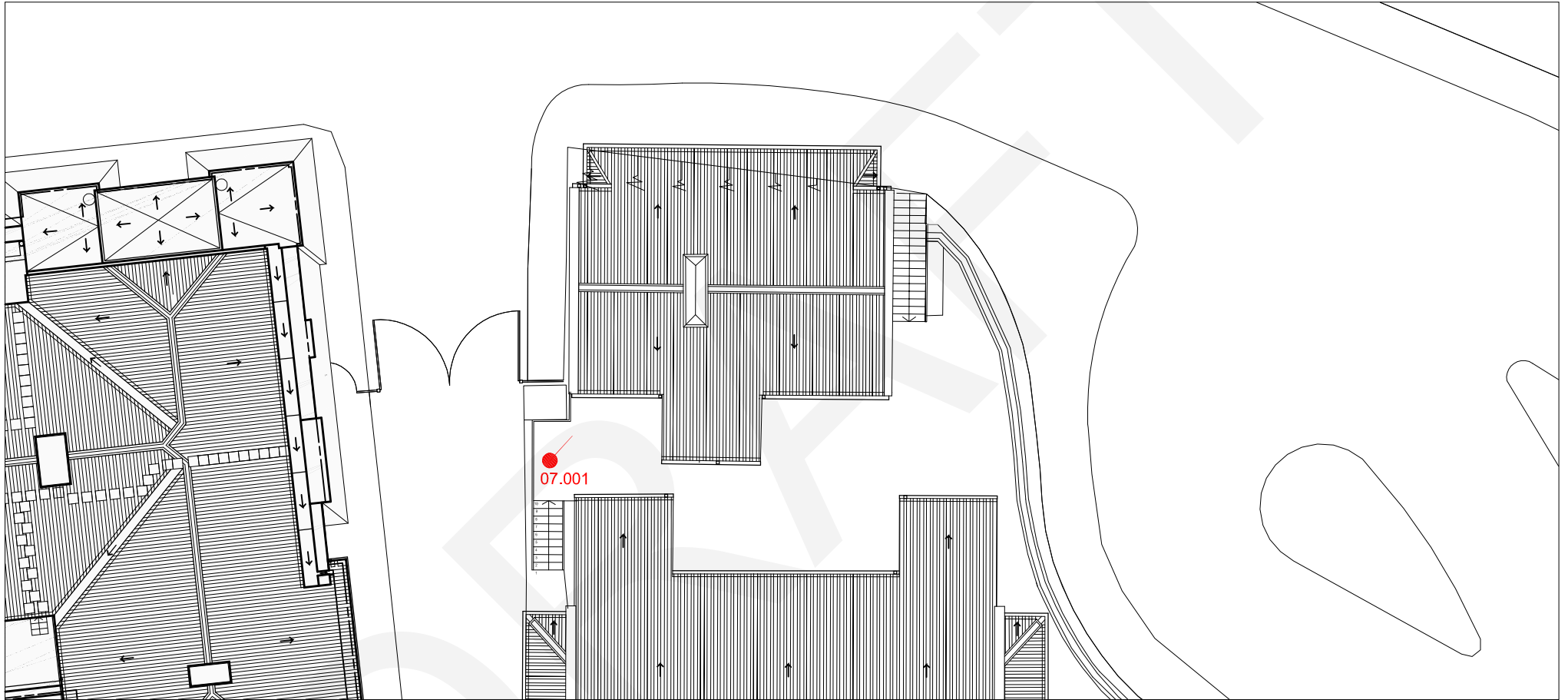
Ground Floor Plan
Building no. 07 Single Inspector's Quarters





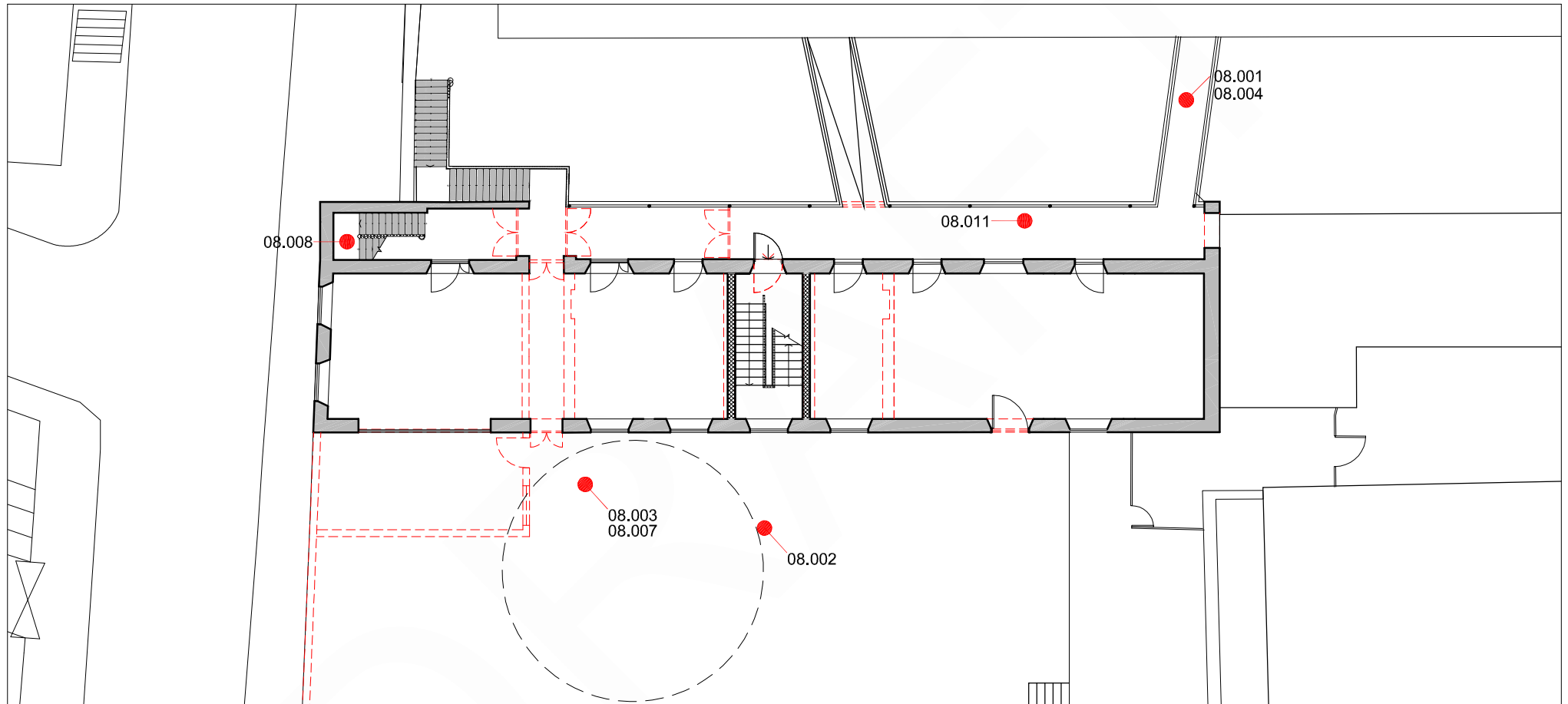
First Floor Plan
Building no. 07 Single Inspector's Quarters





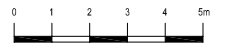
Roof Plan
Building no. 07 Single Inspector's Quarters

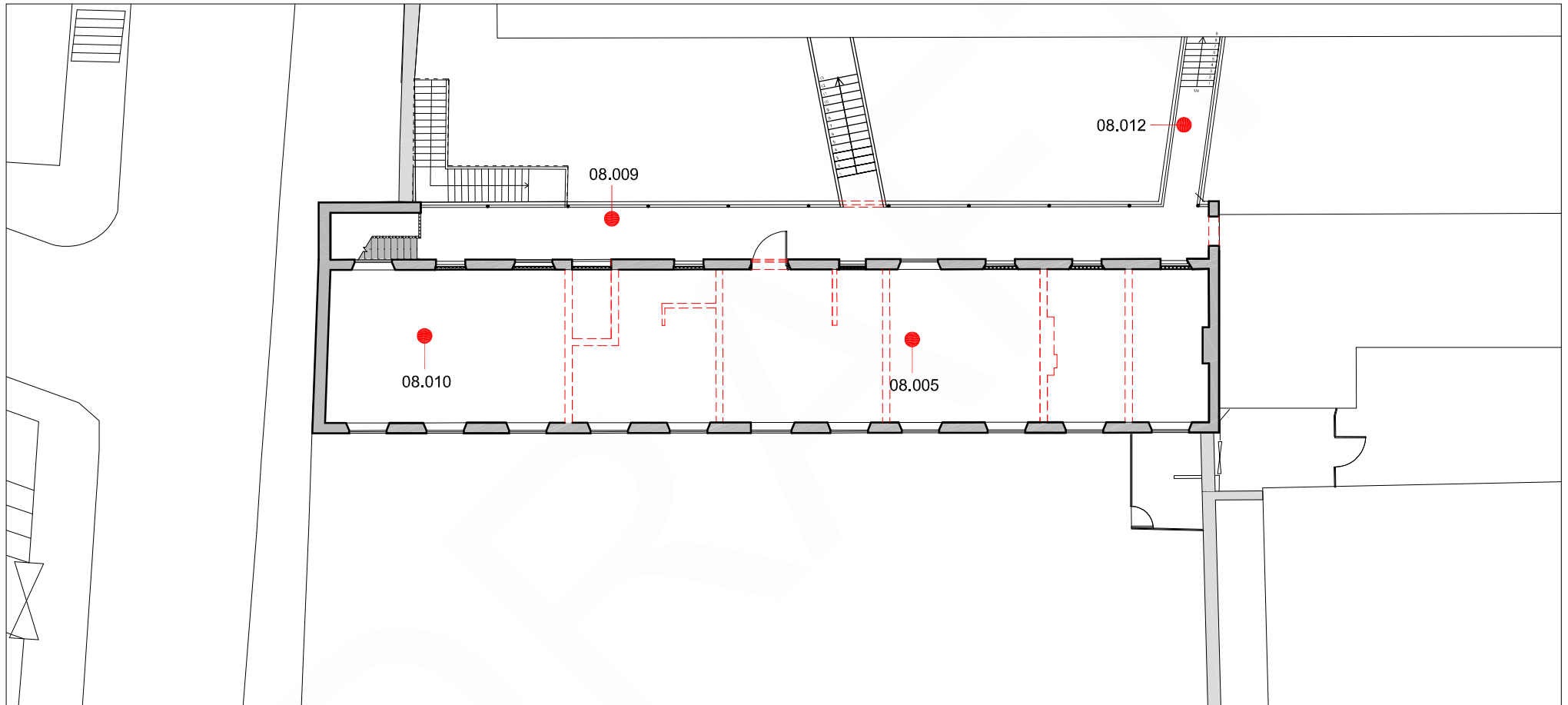




Ground Floor Plan

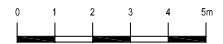
Building no. 08 Ablutions Block



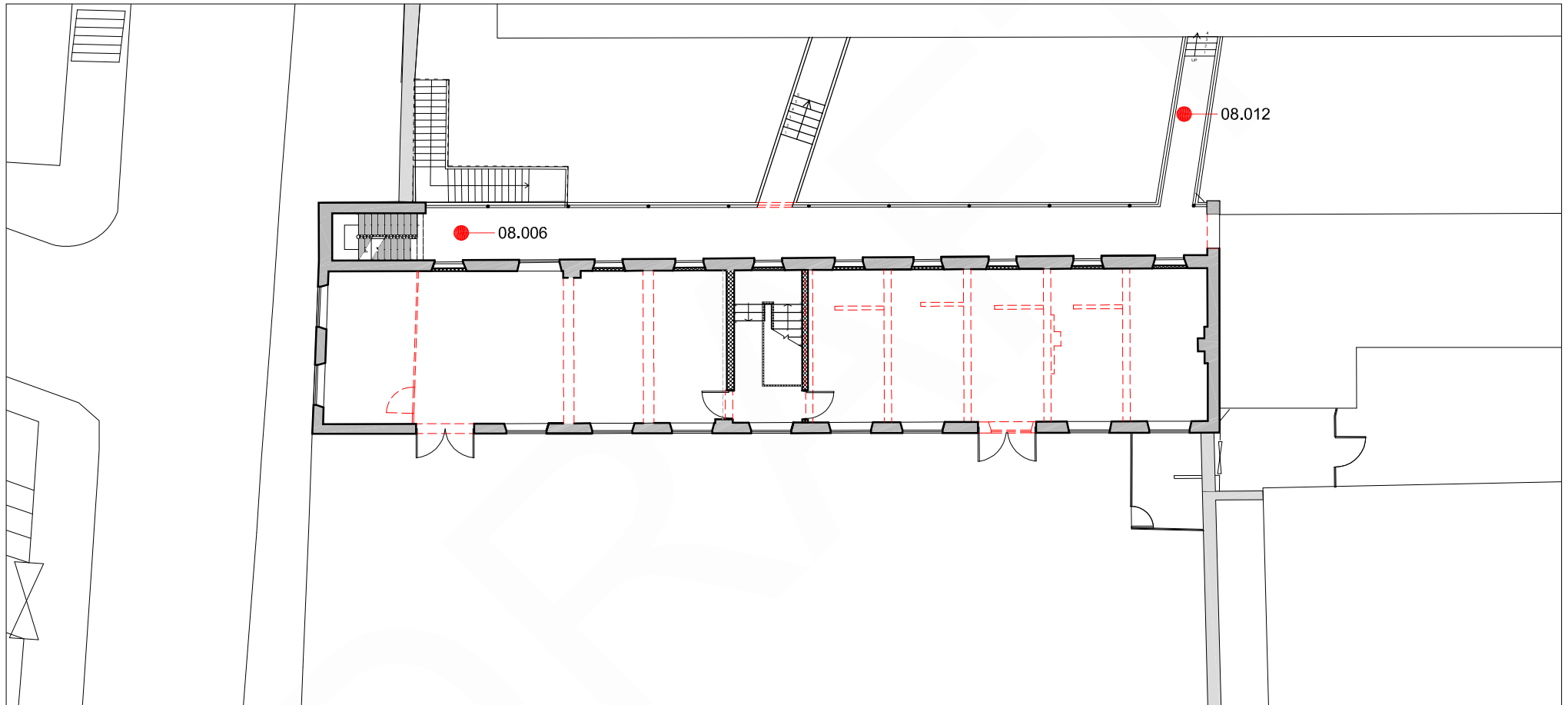


Second Floor Plan

Building no. 08 Ablutions Block

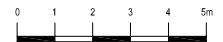


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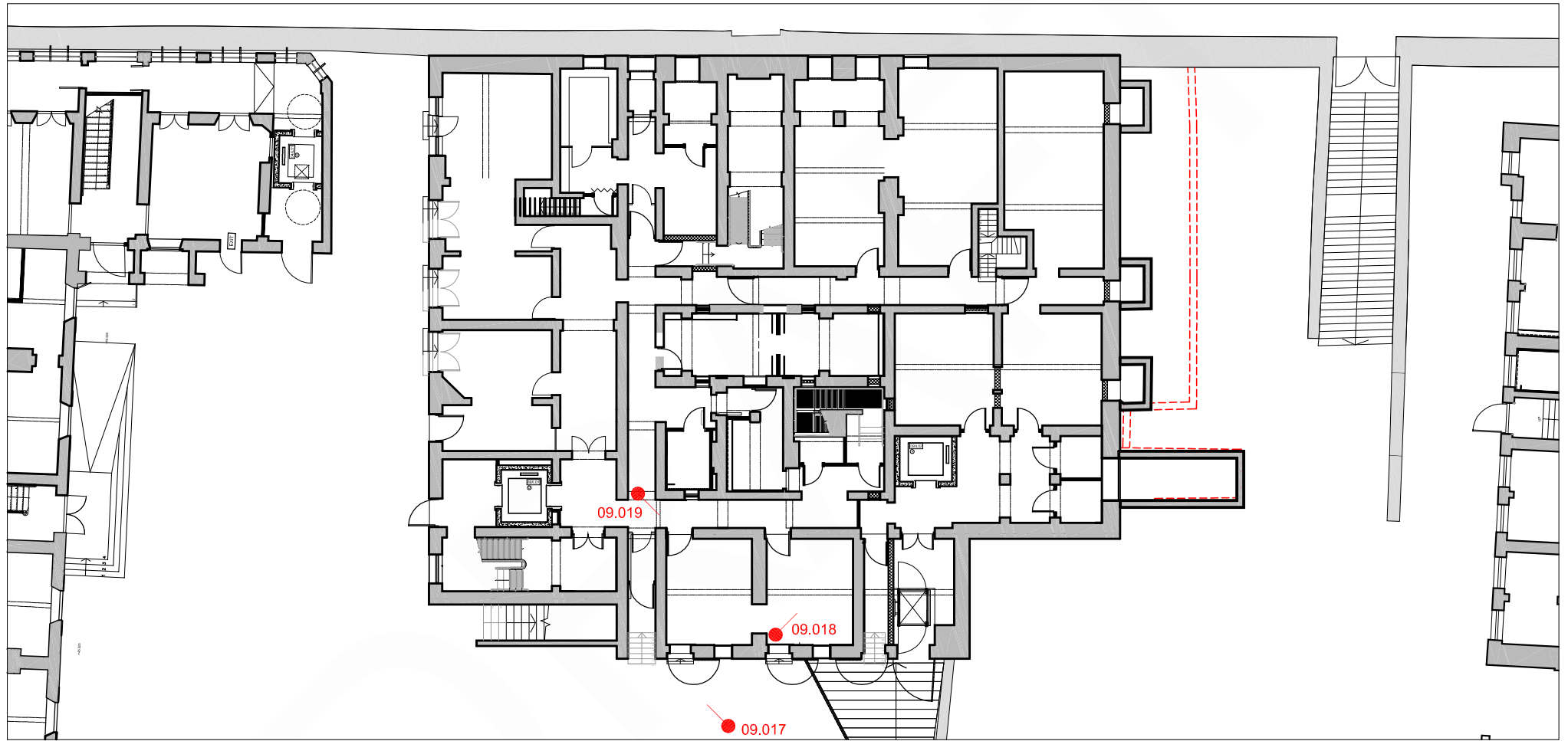


First Floor Plan

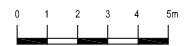
Building no. 08 Ablutions Block

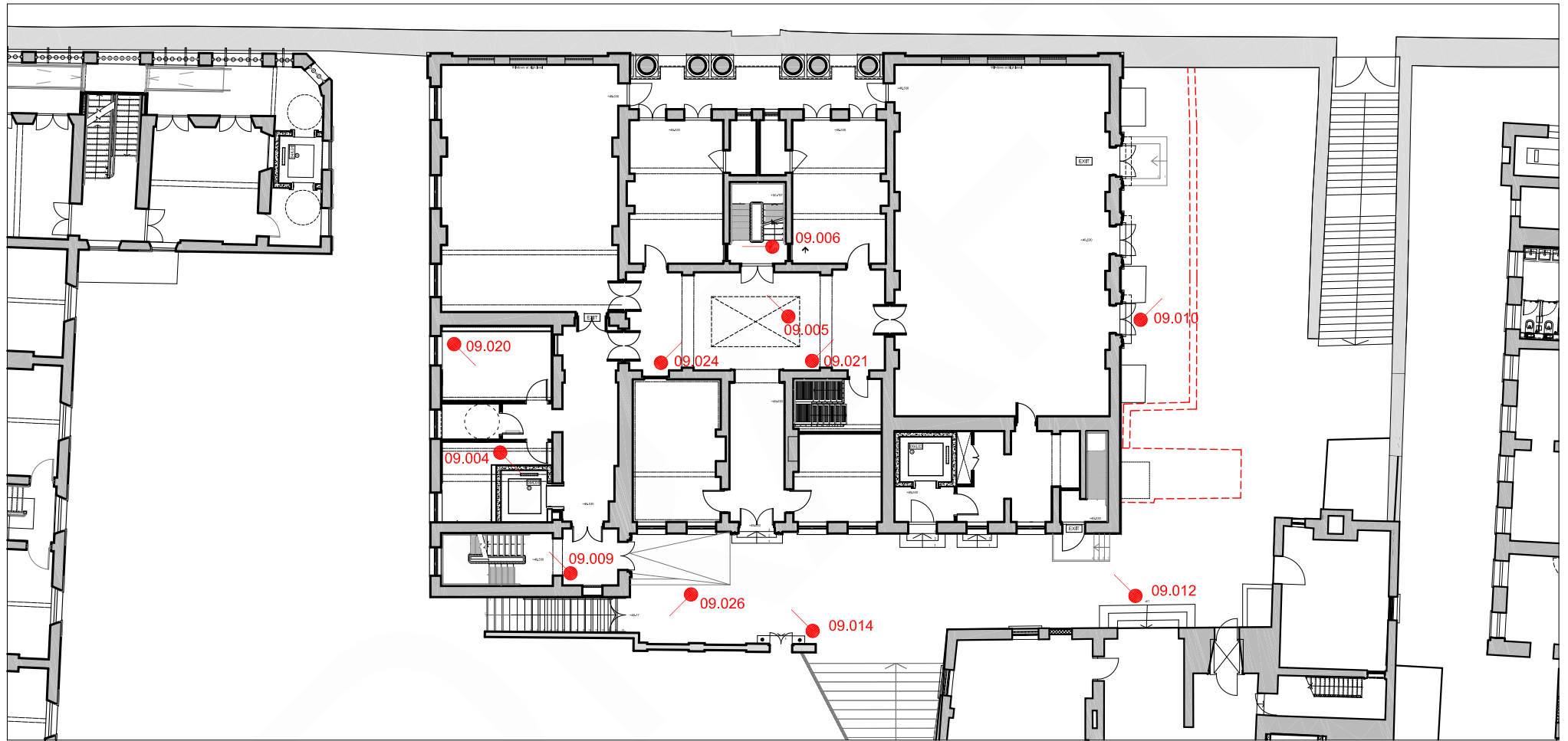


Date: 22/07/2011



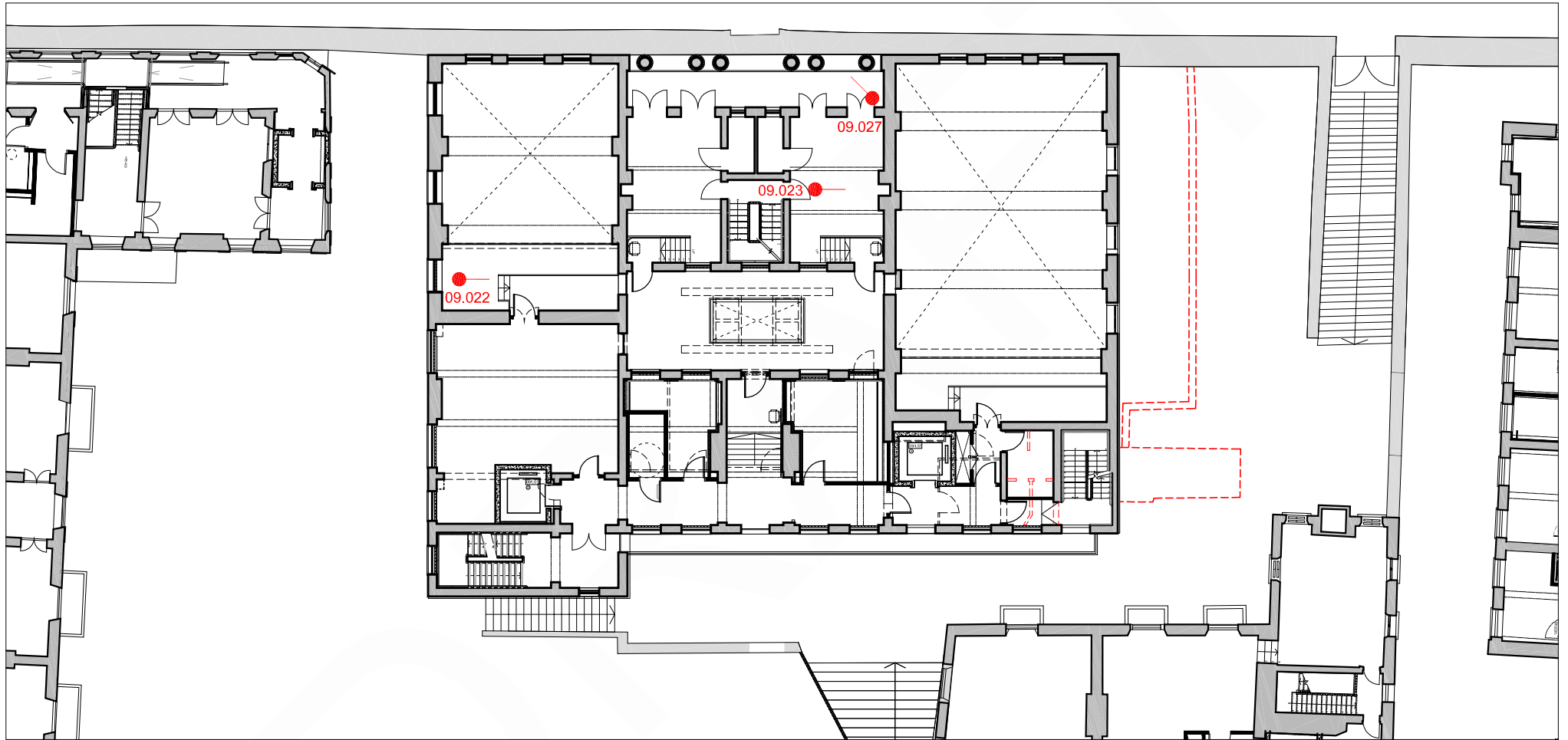
Lower Ground Floor Plan
Building no. 09 Central Magistracy



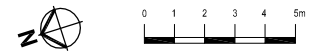


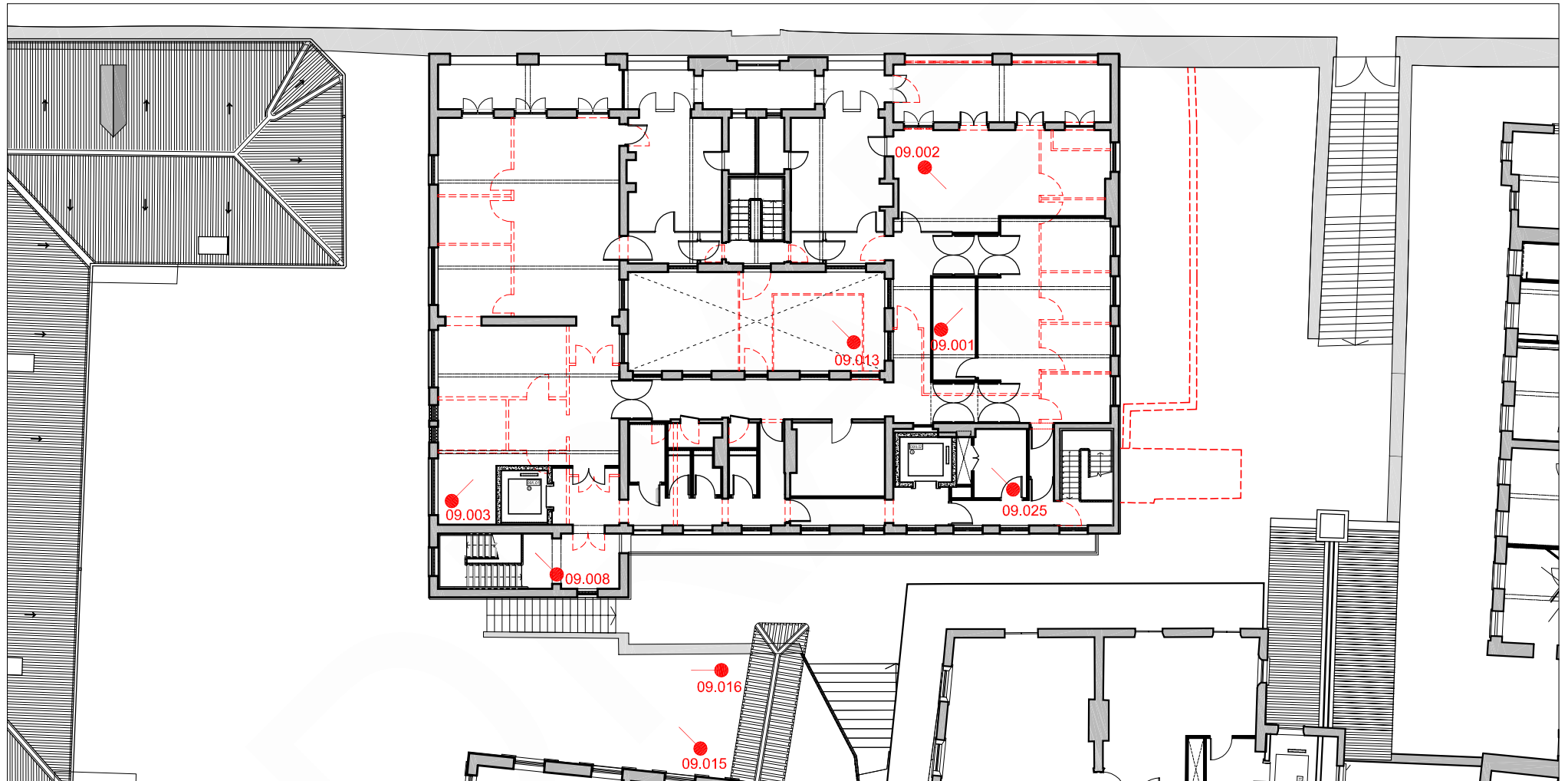
Ground Floor Plan
Building no. 09 Central Magistry



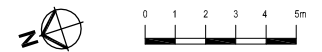


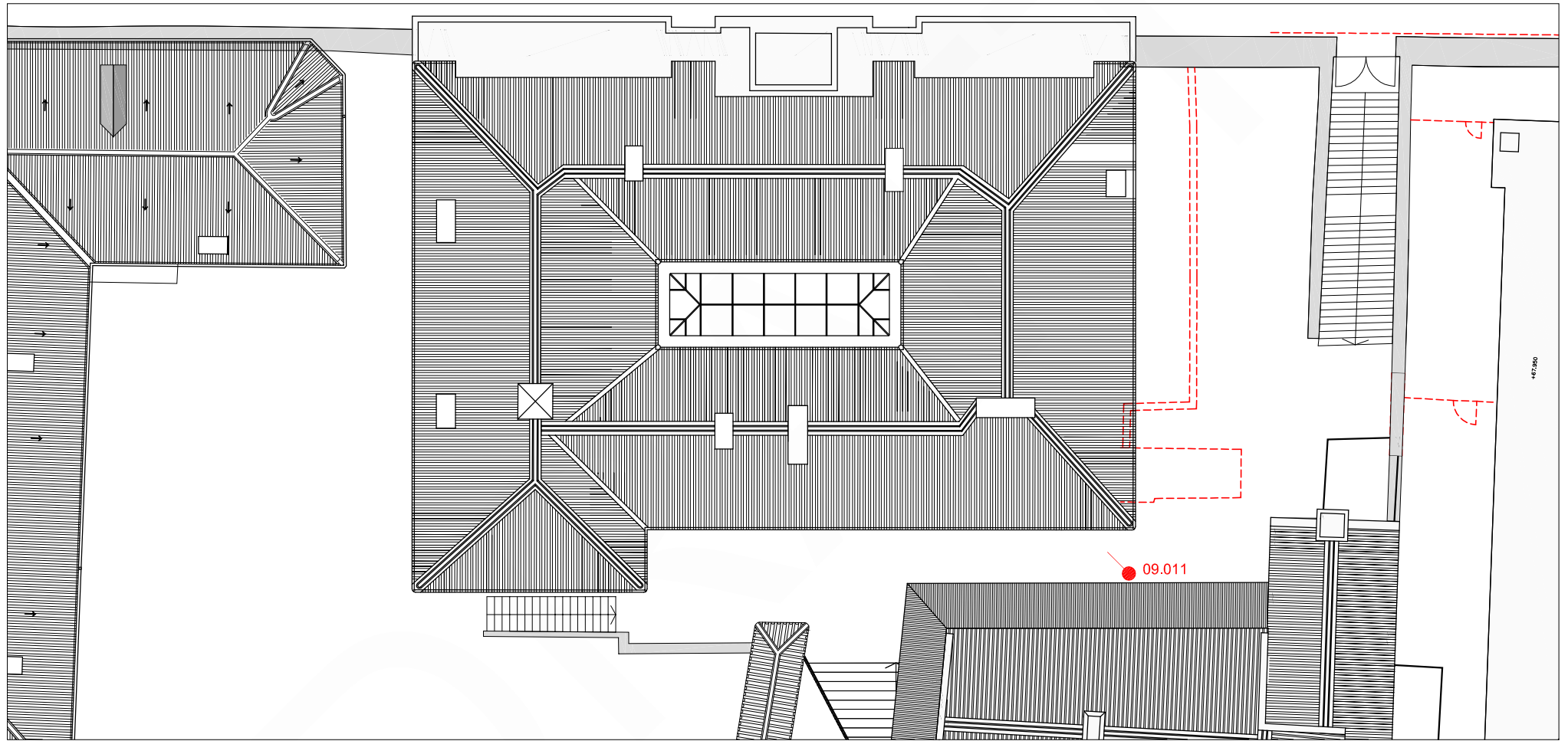
First Floor Plan
Building no. 09 Central Magistracy





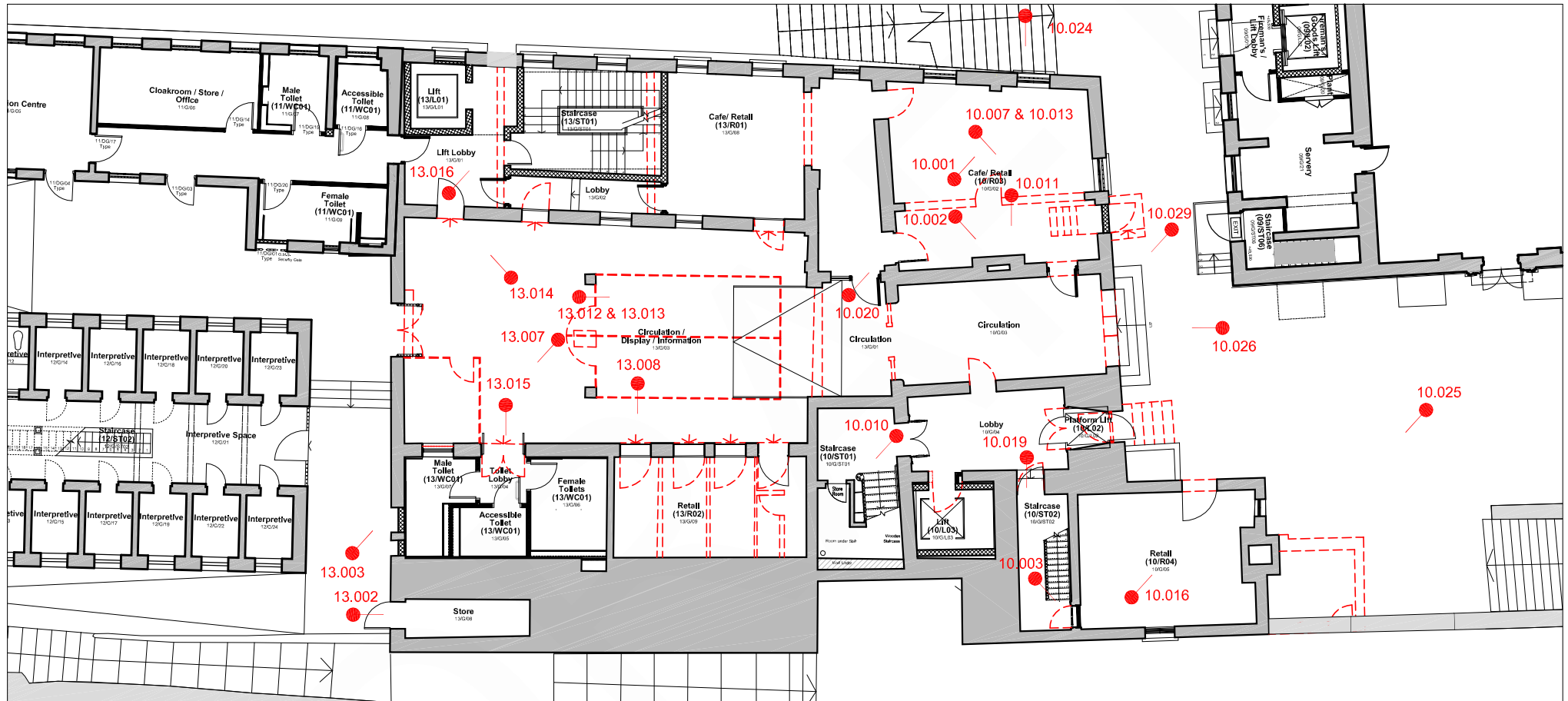
Second Floor Plan
Building no. 09 Central Magstracy





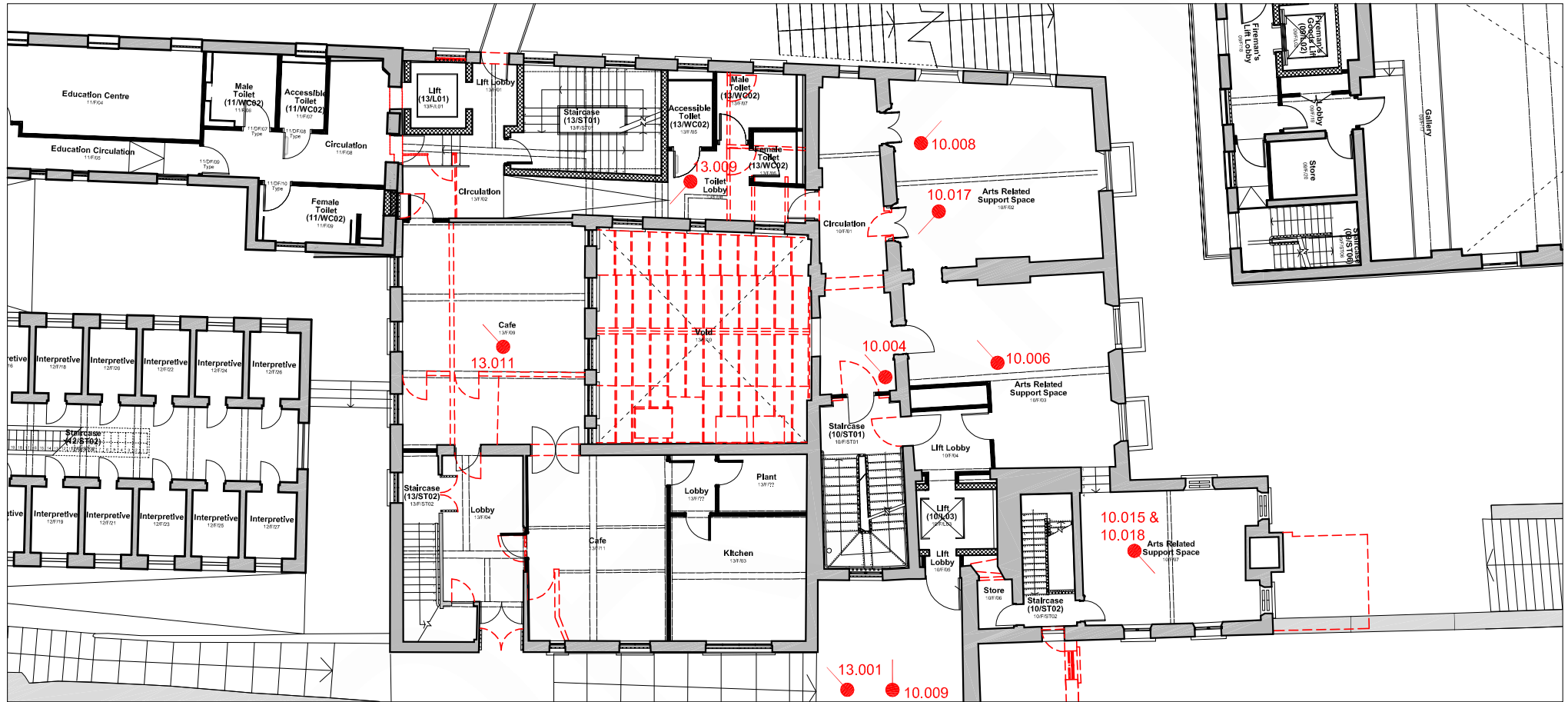
Roof Plan
Building no. 09 Central Magistracy





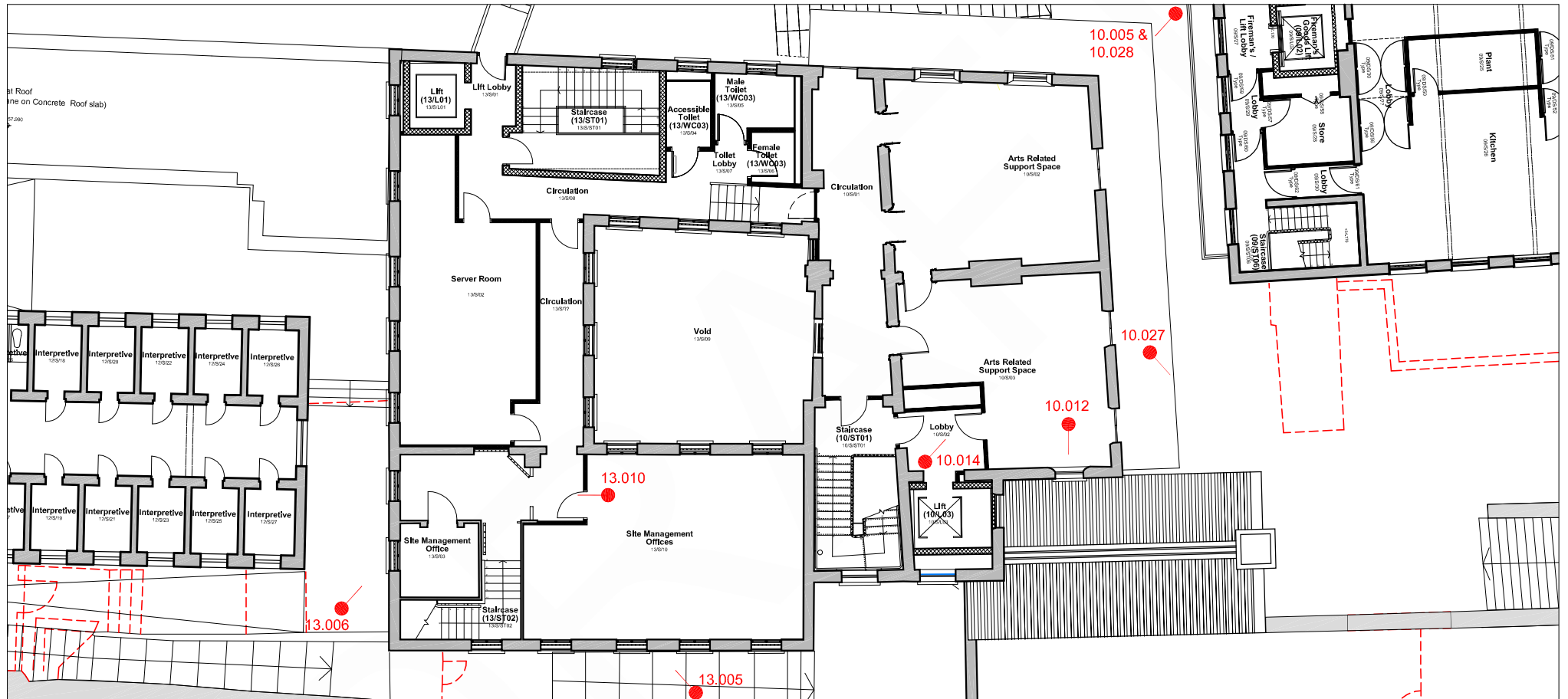
Ground Floor Plan
 Building no. 10_13 Superintendent's House





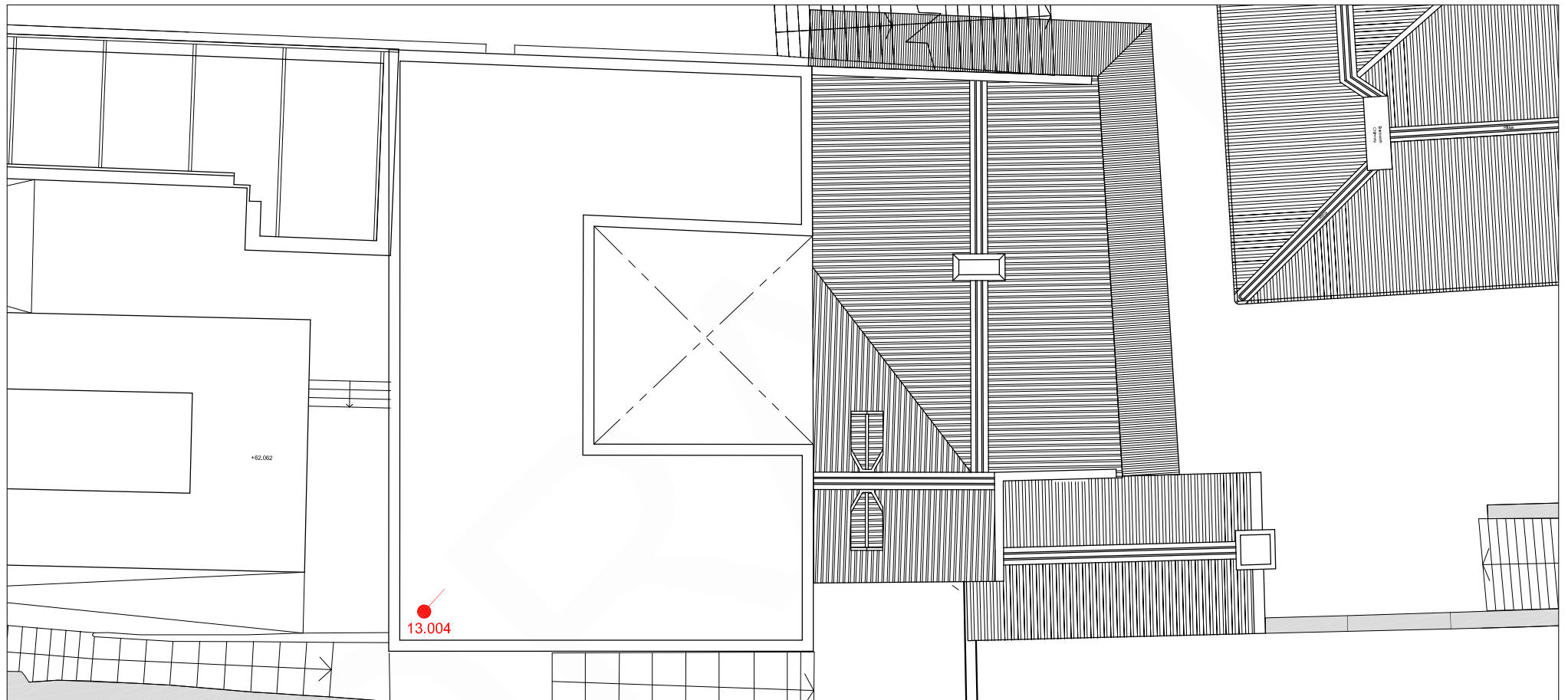
First Floor Plan
Building no. 10_13 Superintendent's House



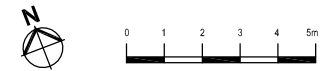


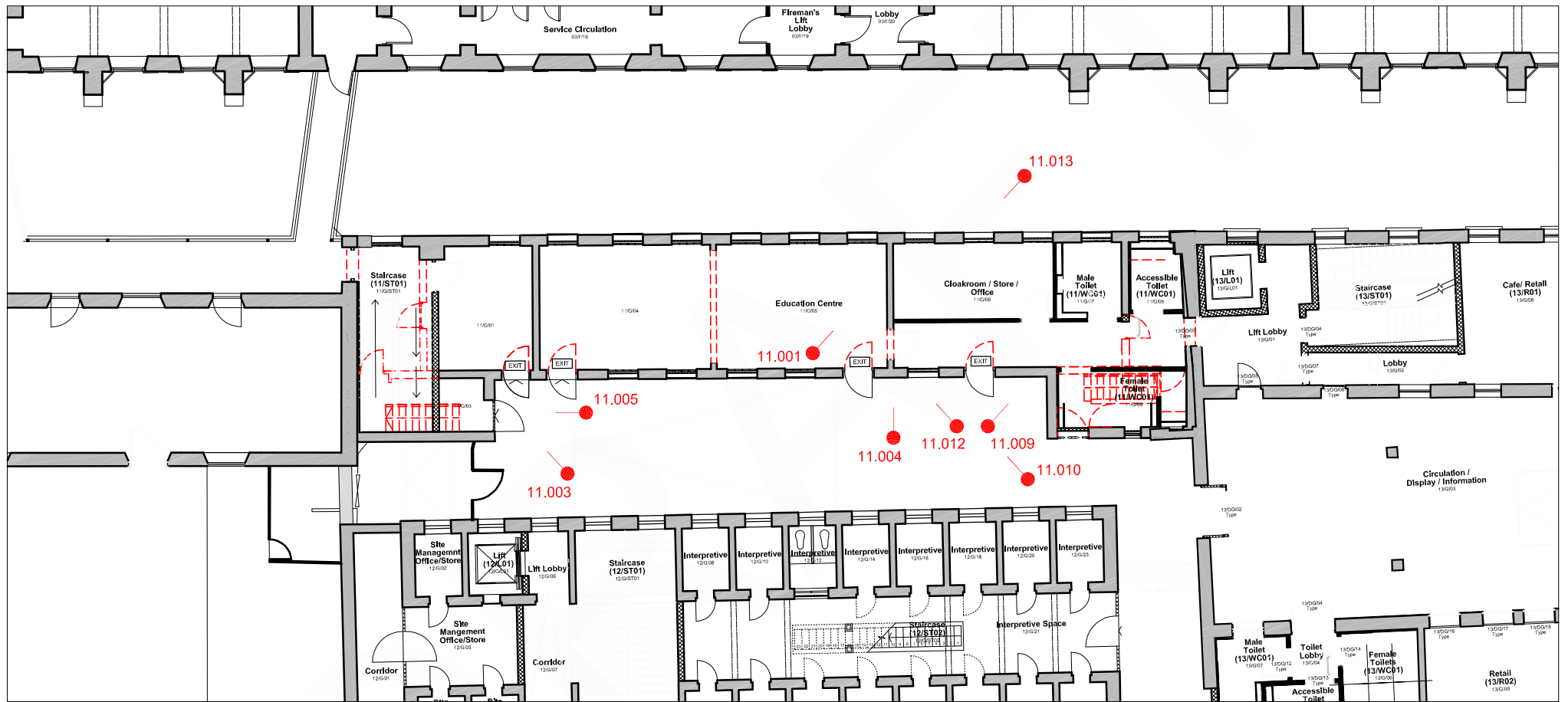
Second Floor Plan
Building no. 10_13 Superintendent's House



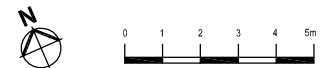


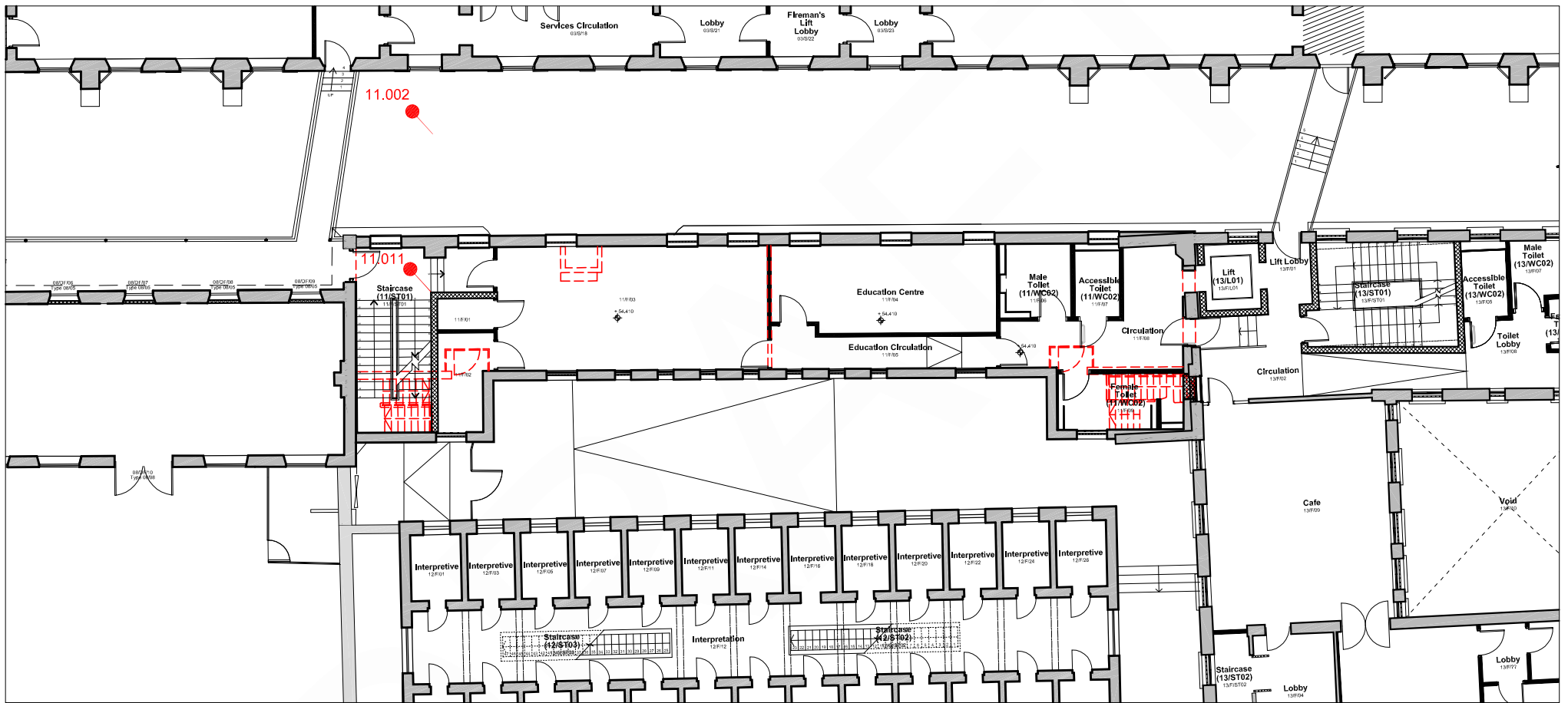
Roof Plan
Building no. 10_13 Superintendent's House





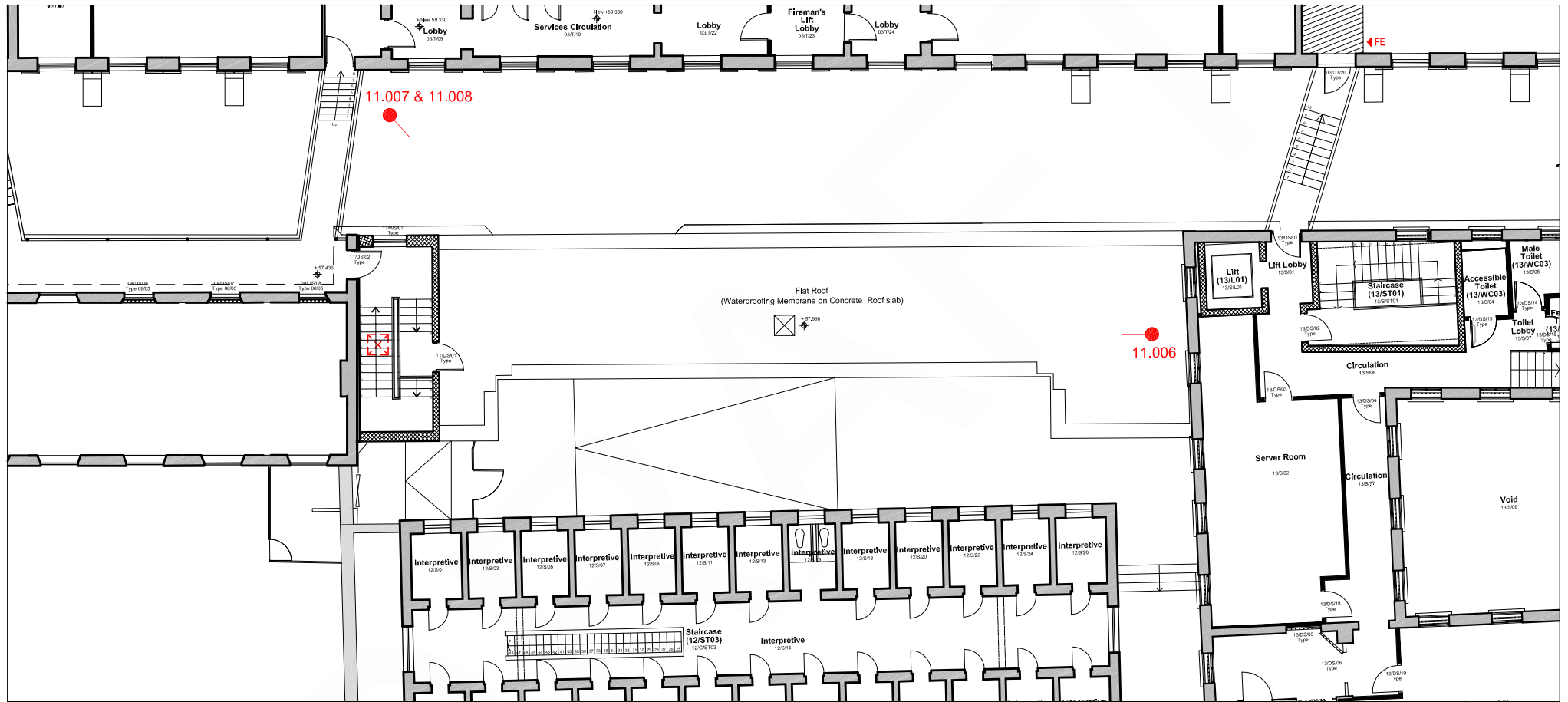
Ground Floor Plan
Building no. 11 A Hall



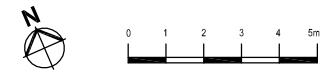


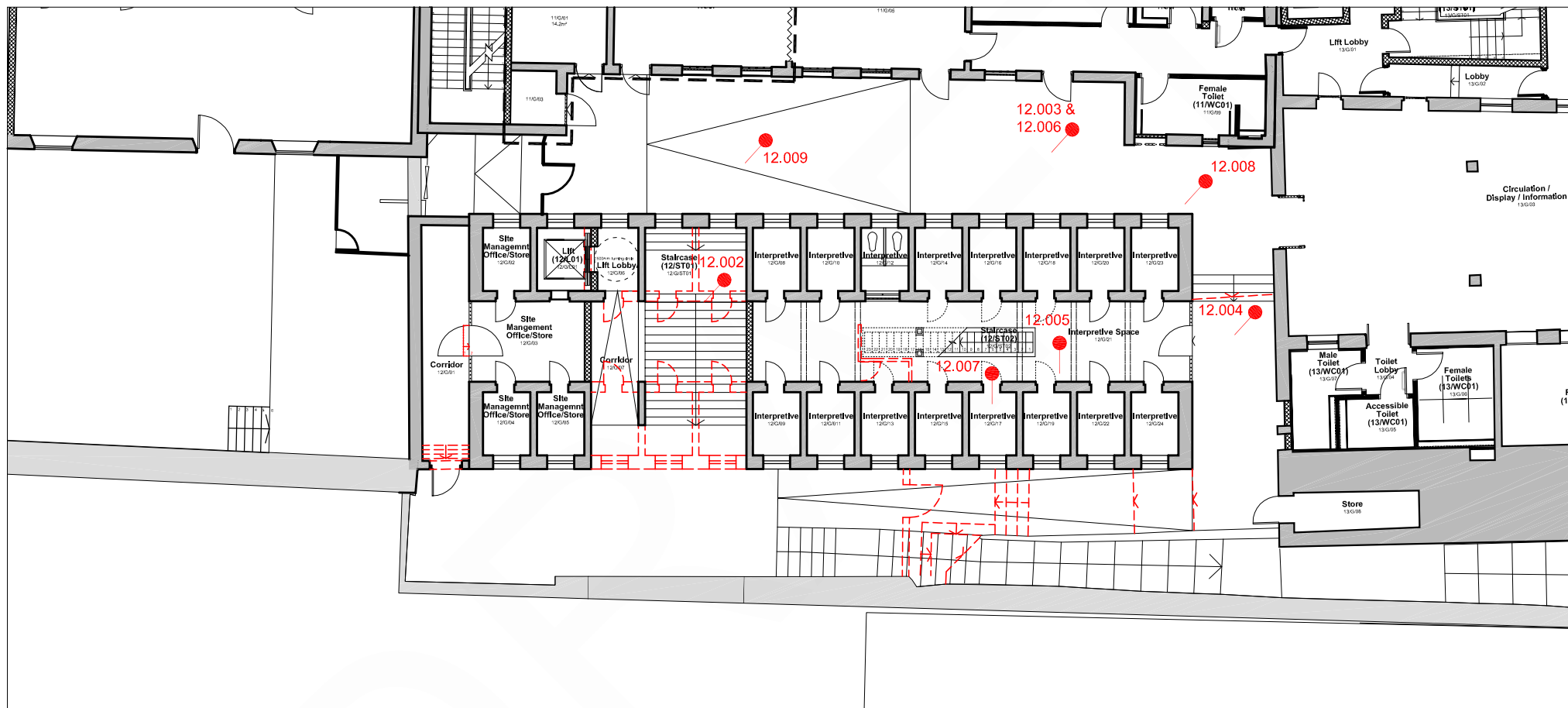
First Floor Plan
Building no. 11 A Hall

Date: 04/10/2011



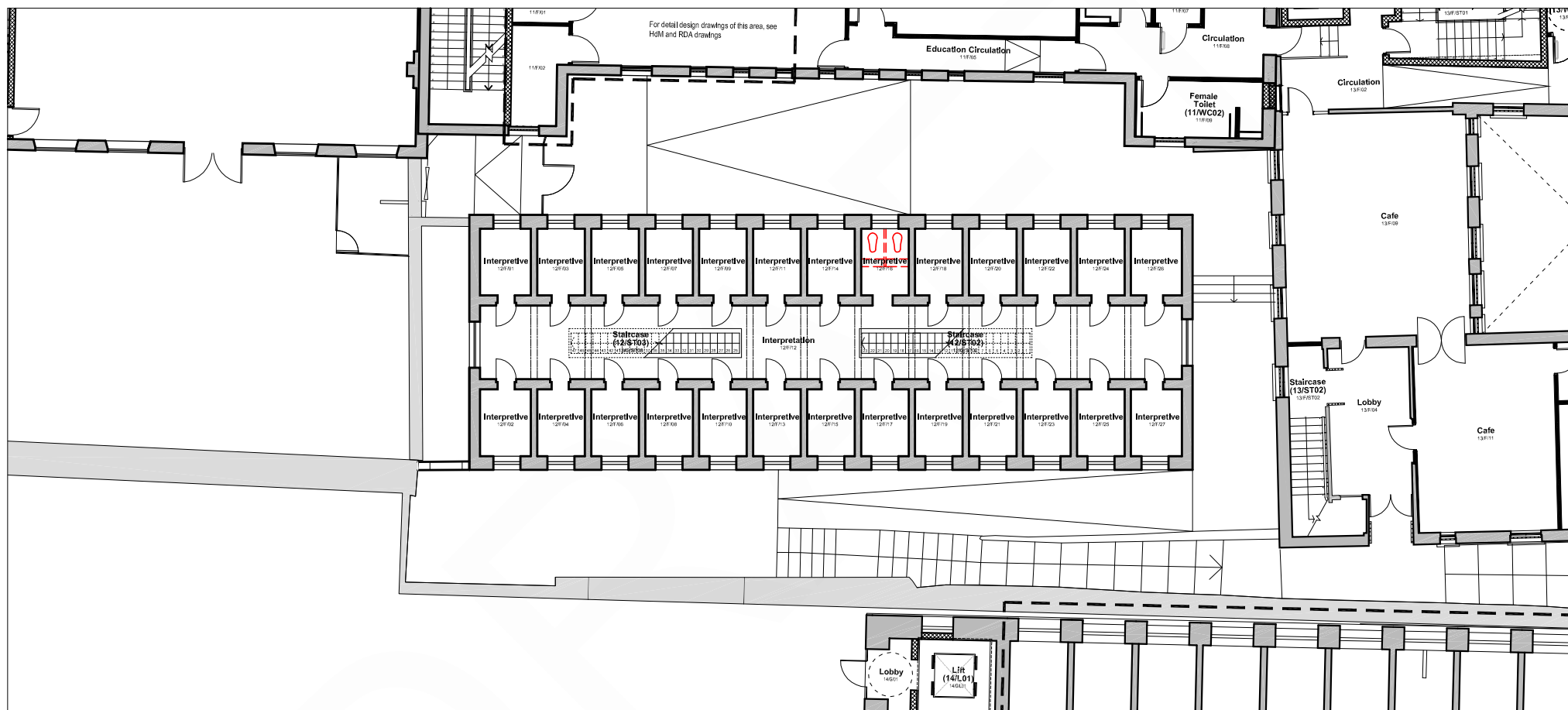
Roof Plan
Building no. 11 A Hall





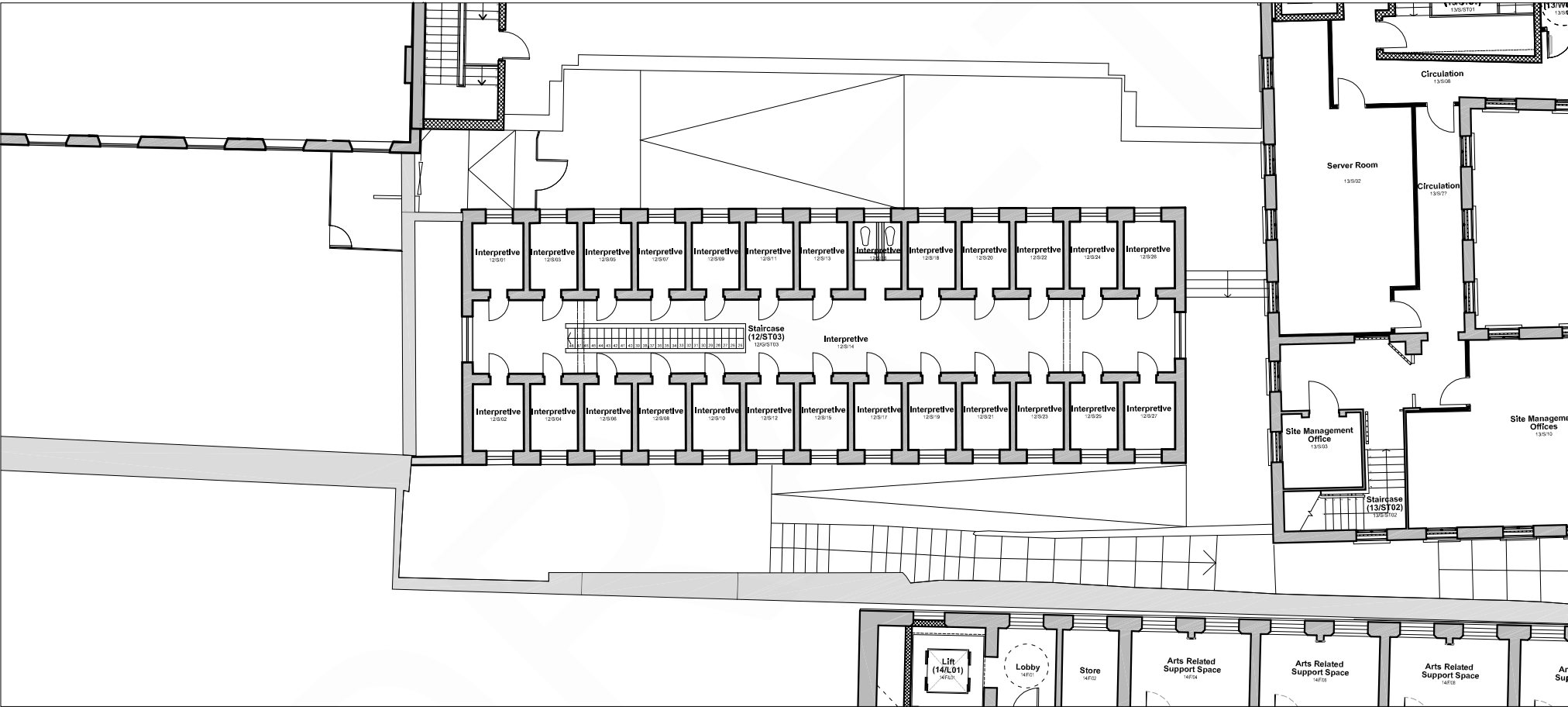
Ground Floor Plan
Building no. 12 B Hall





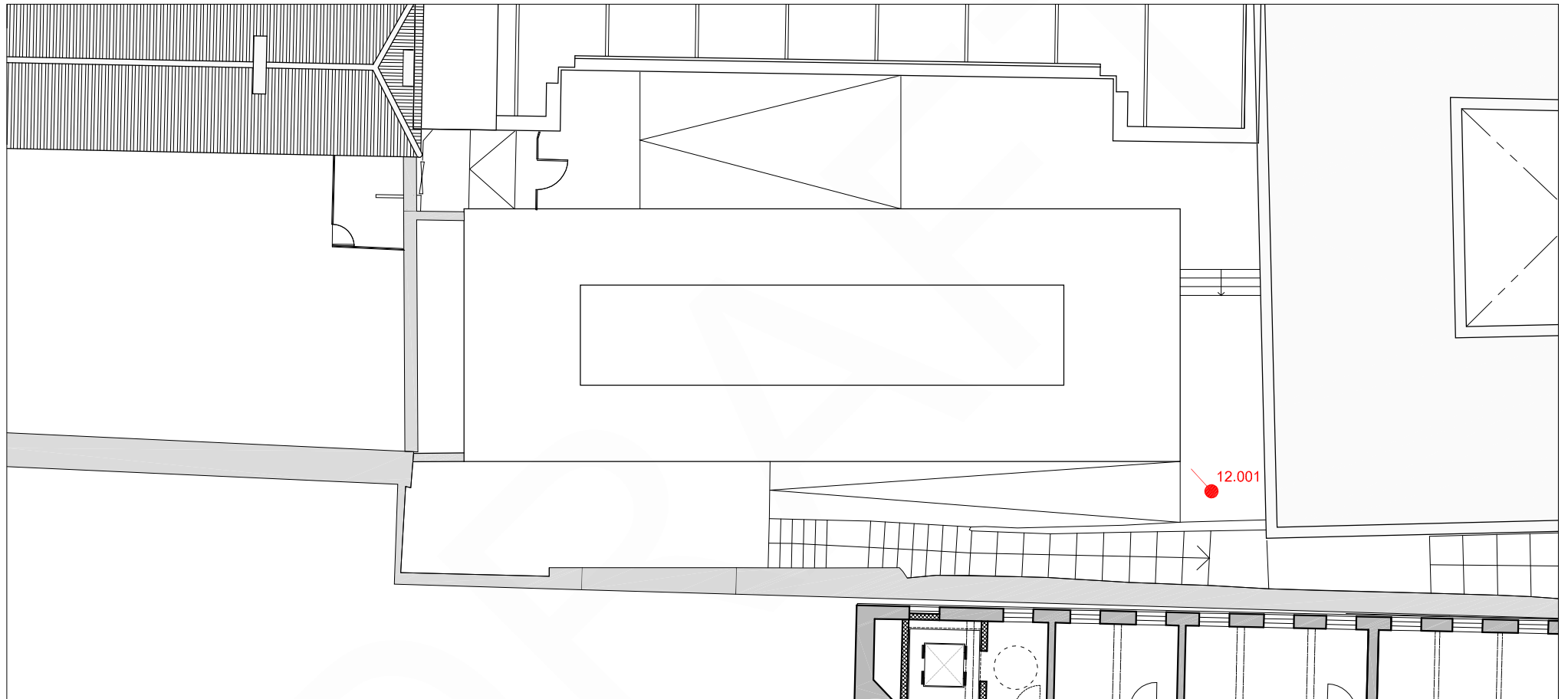
First Floor Plan
Building no. 12 B Hall



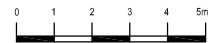


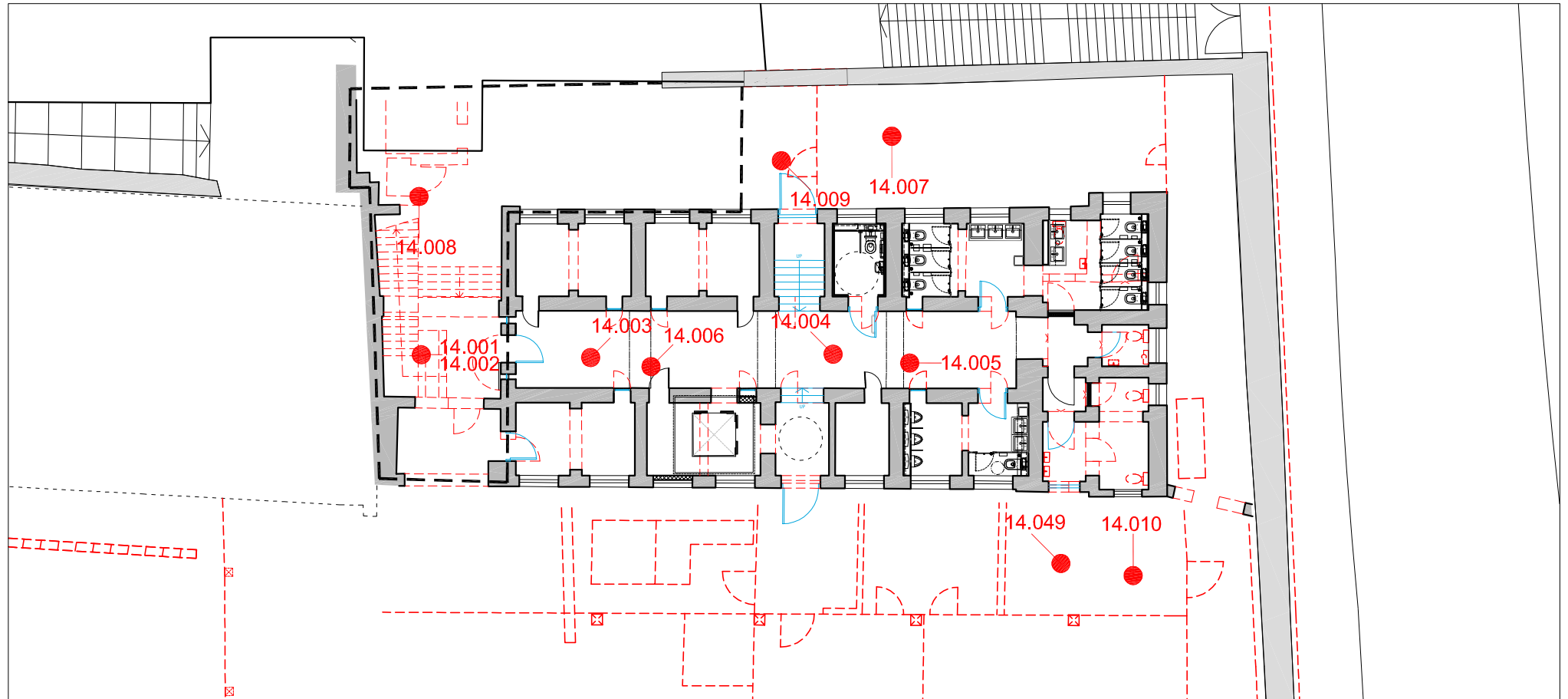
Second Floor Plan
Building no. 12 B Hall

Date: 04/10/2011



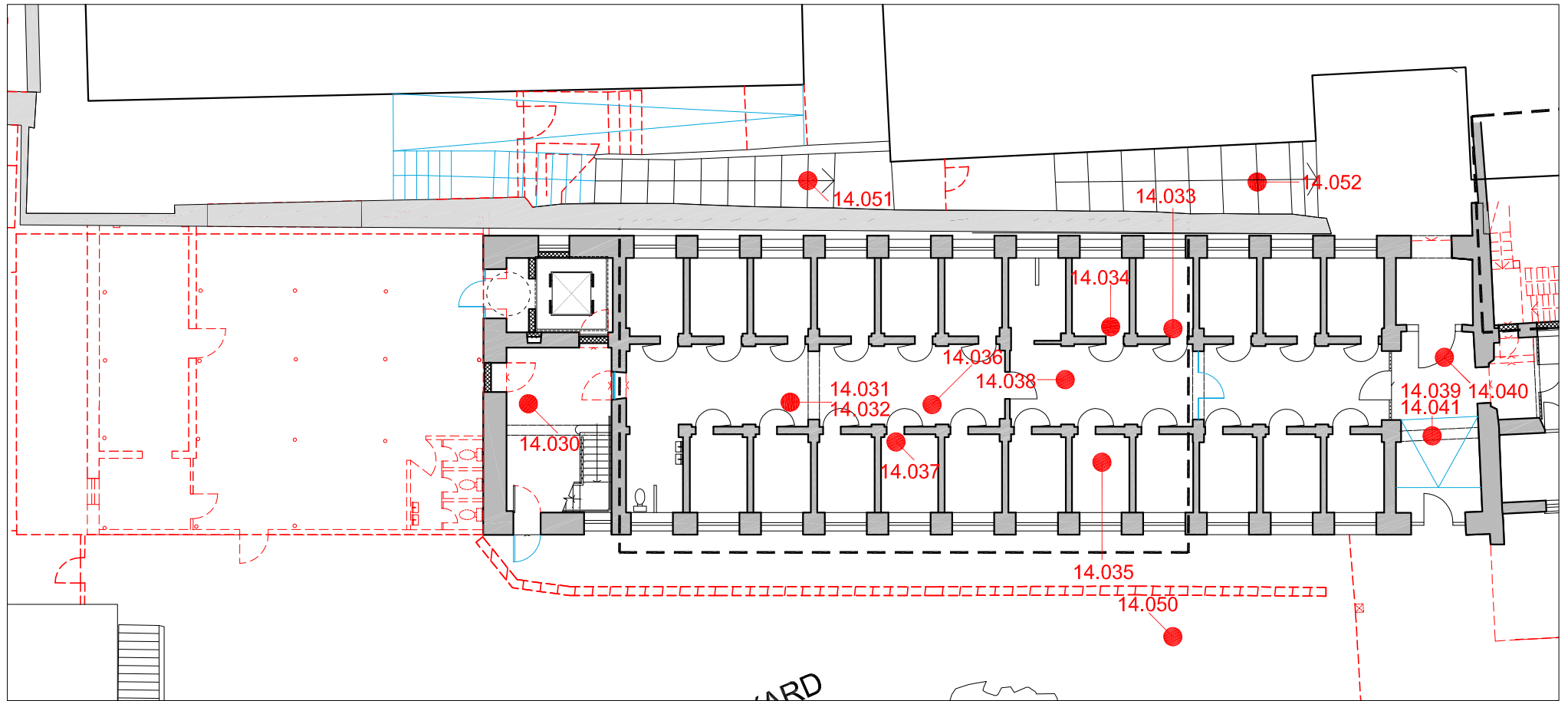
Roof Plan
Building no. 12 B Hall





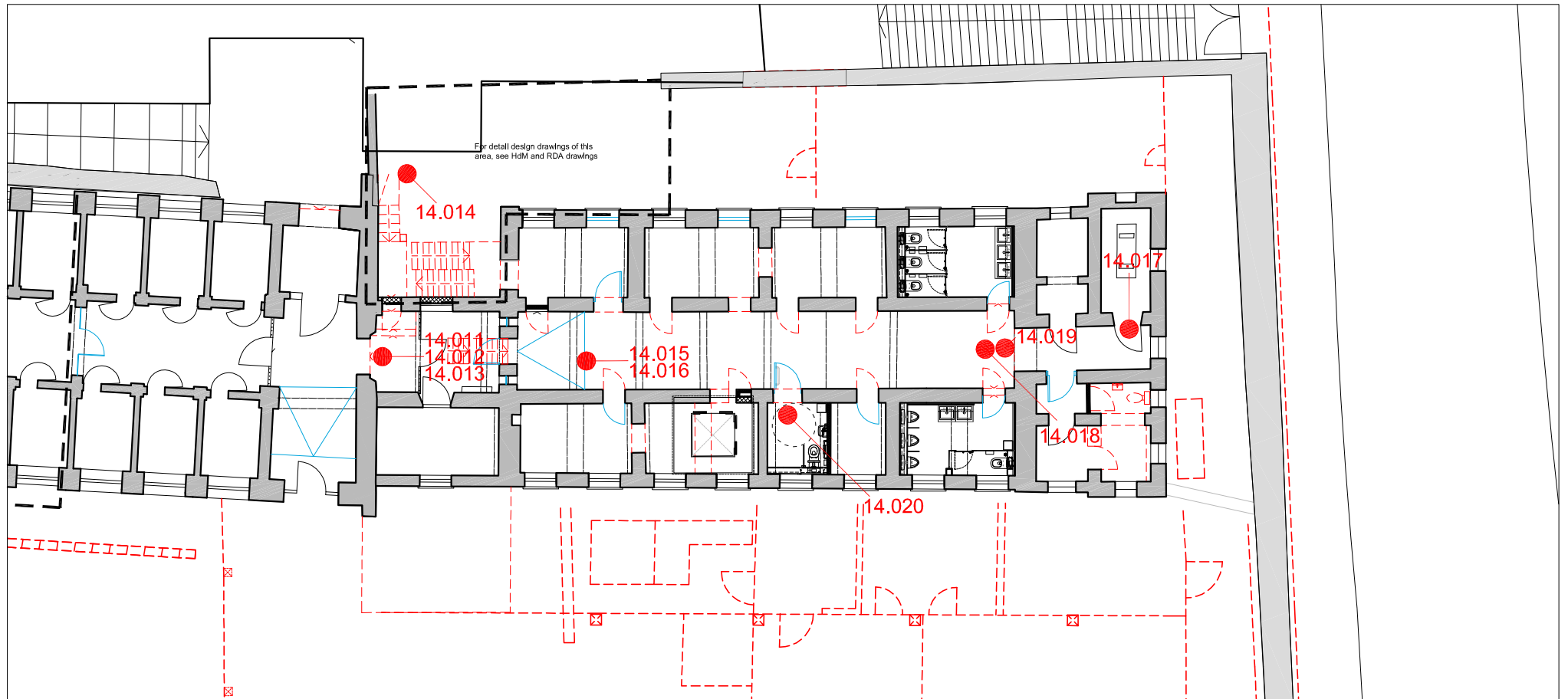
Lower Ground Floor Plan
Building no. 14 D Hall





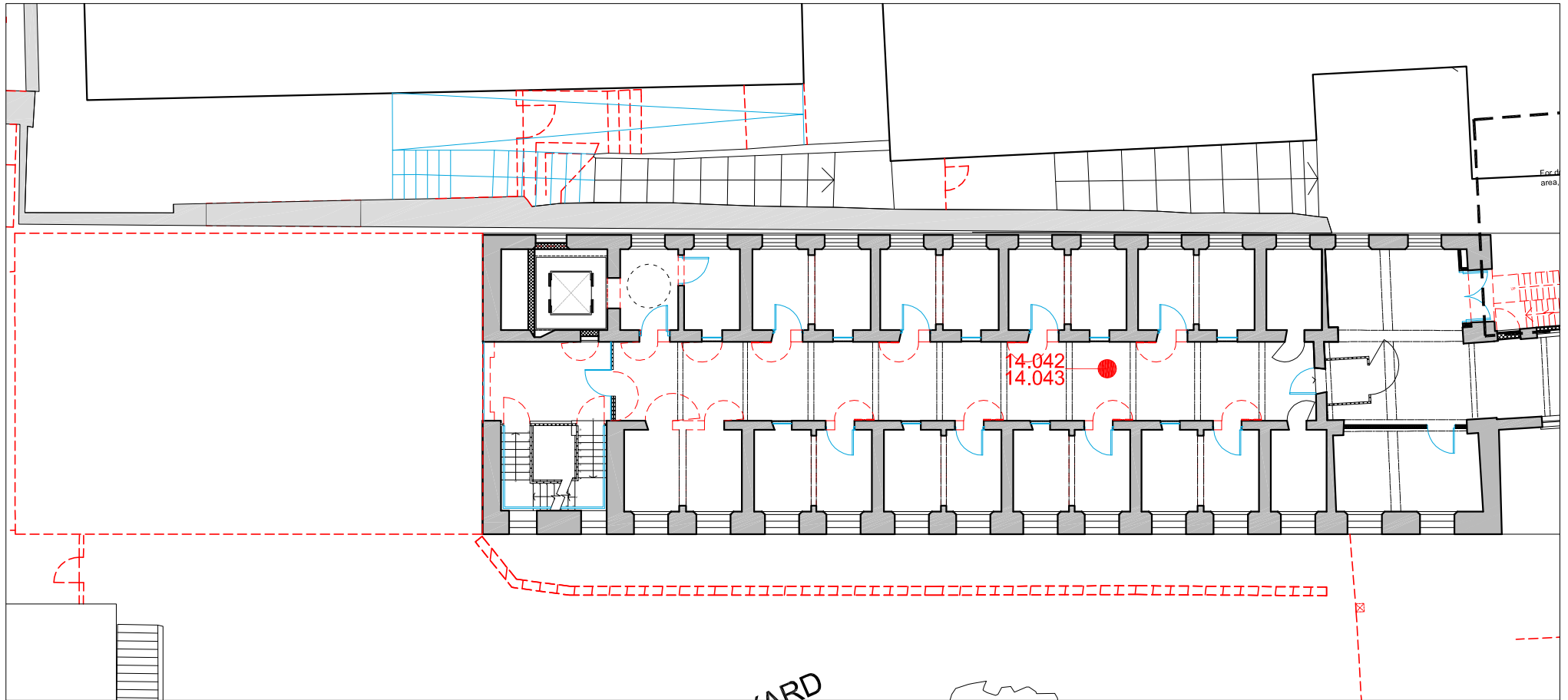
Ground Floor Plan (1 of 2 - West Side)
Building no. 14 D Hall



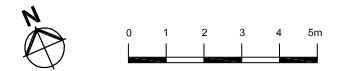


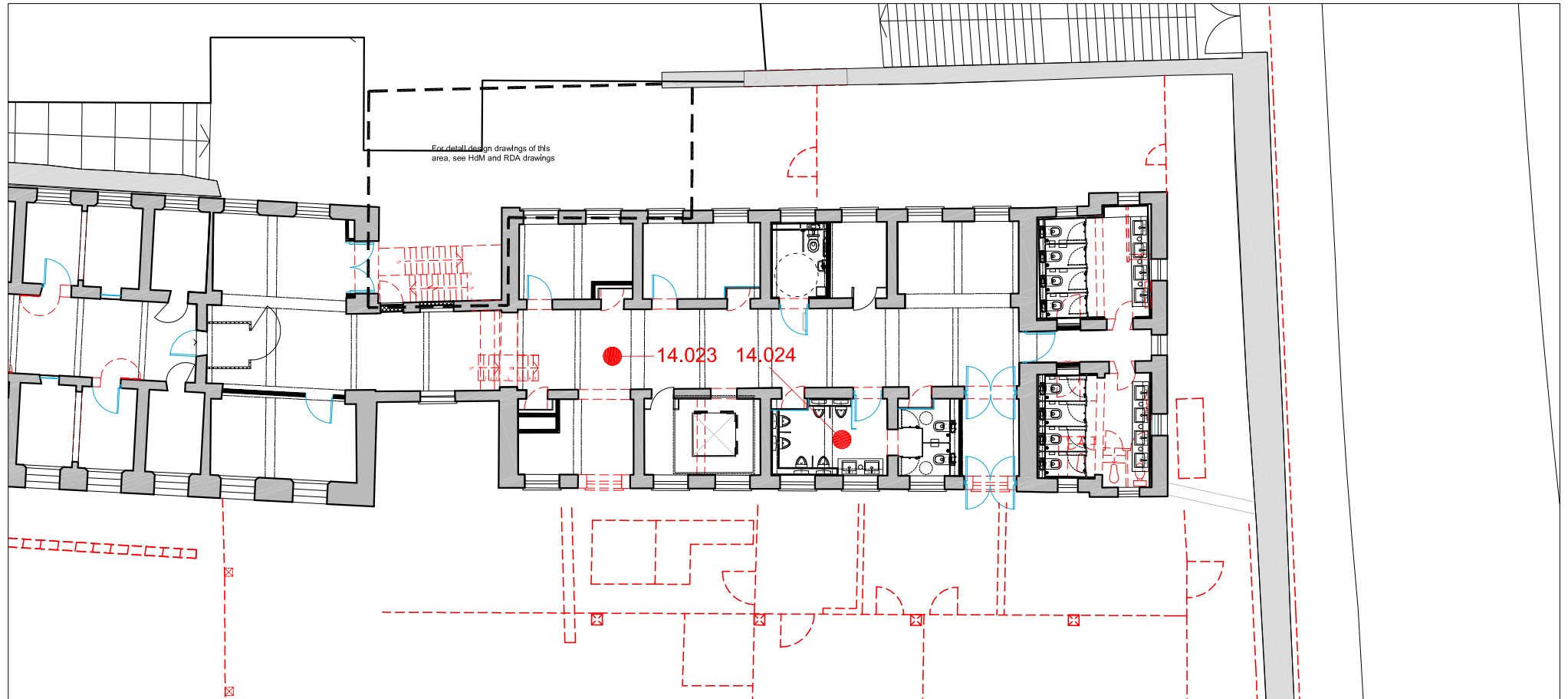
Ground Floor Plan (2 of 2 - East Side)
Building no. 14 D Hall





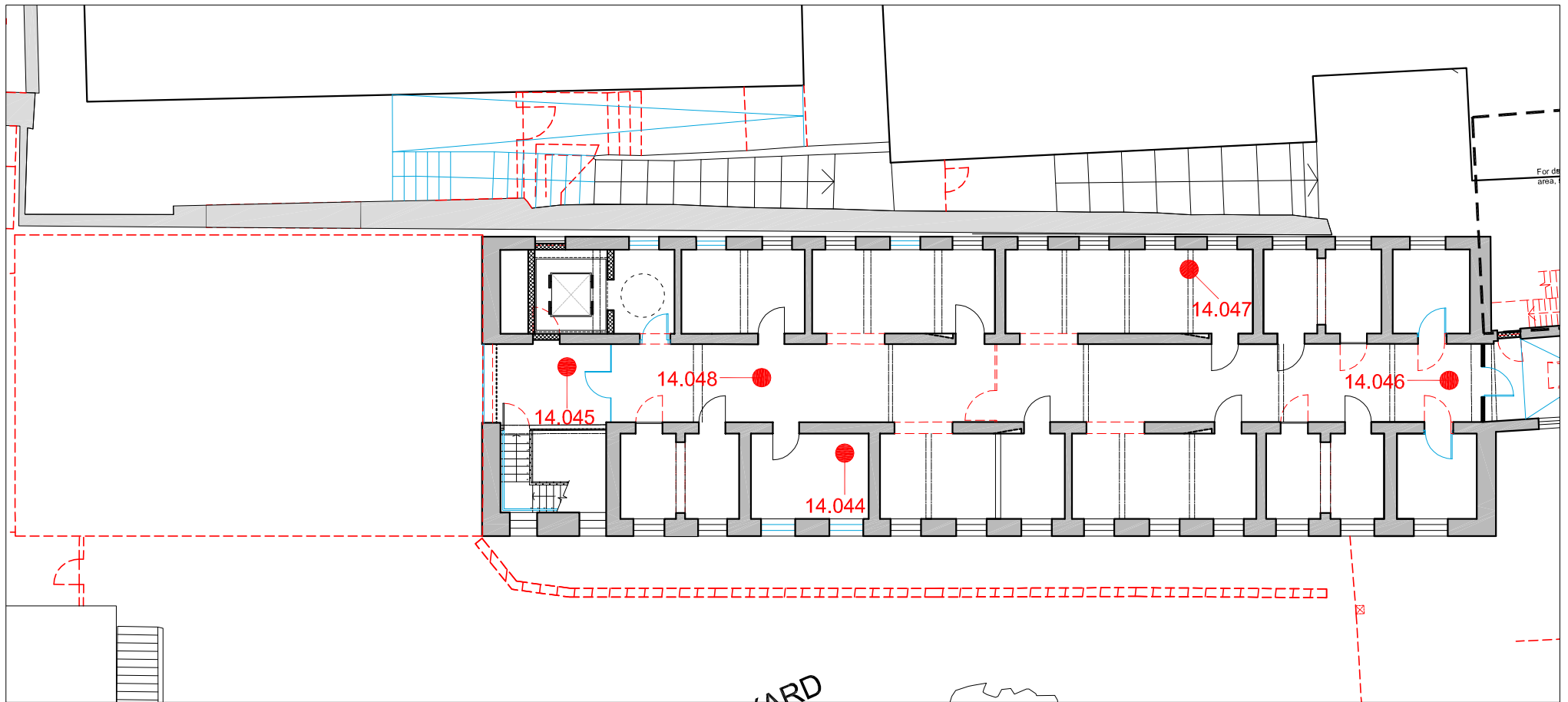
First Floor Plan (1 of 2 - West Side)
Building no. 14 D Hall



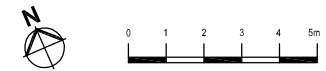


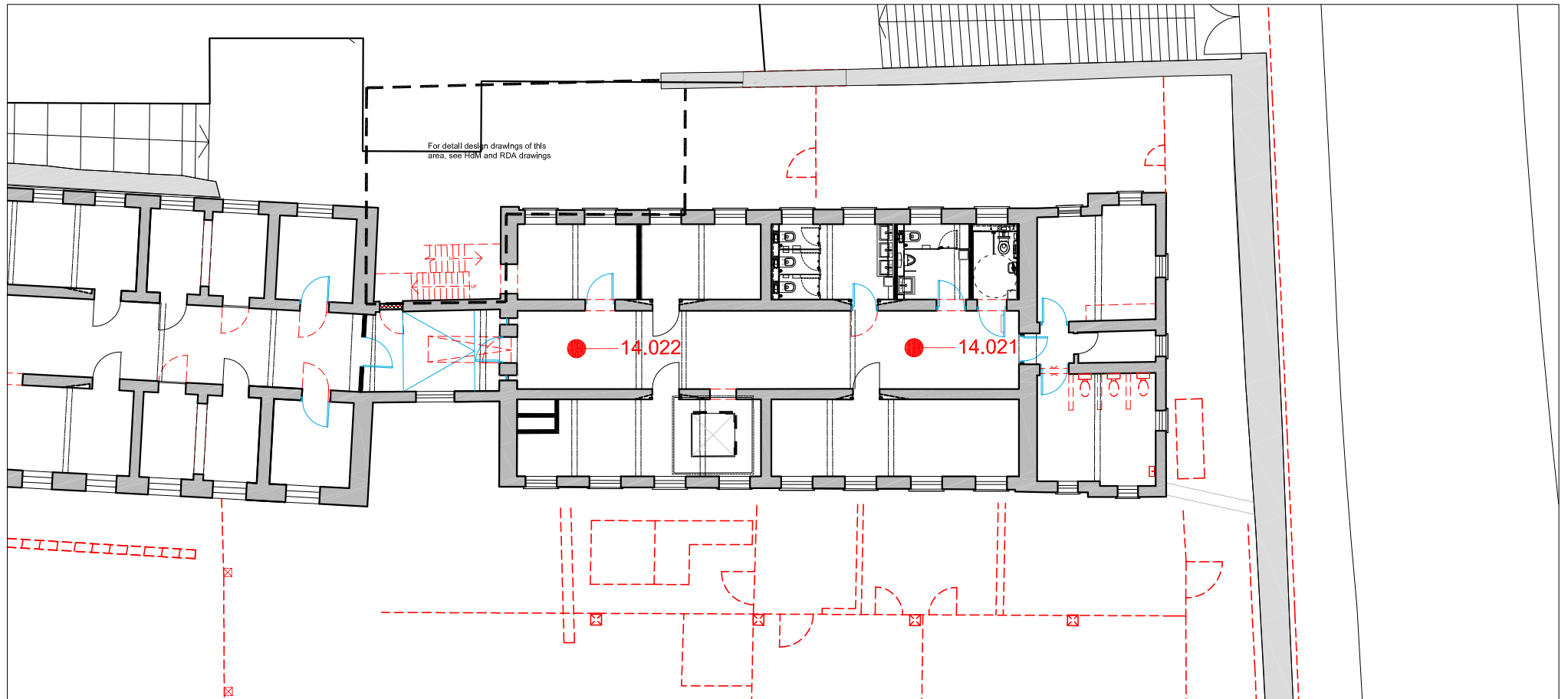
First Floor Plan (2 of 2 - East Side)
Building no. 14 D Hall





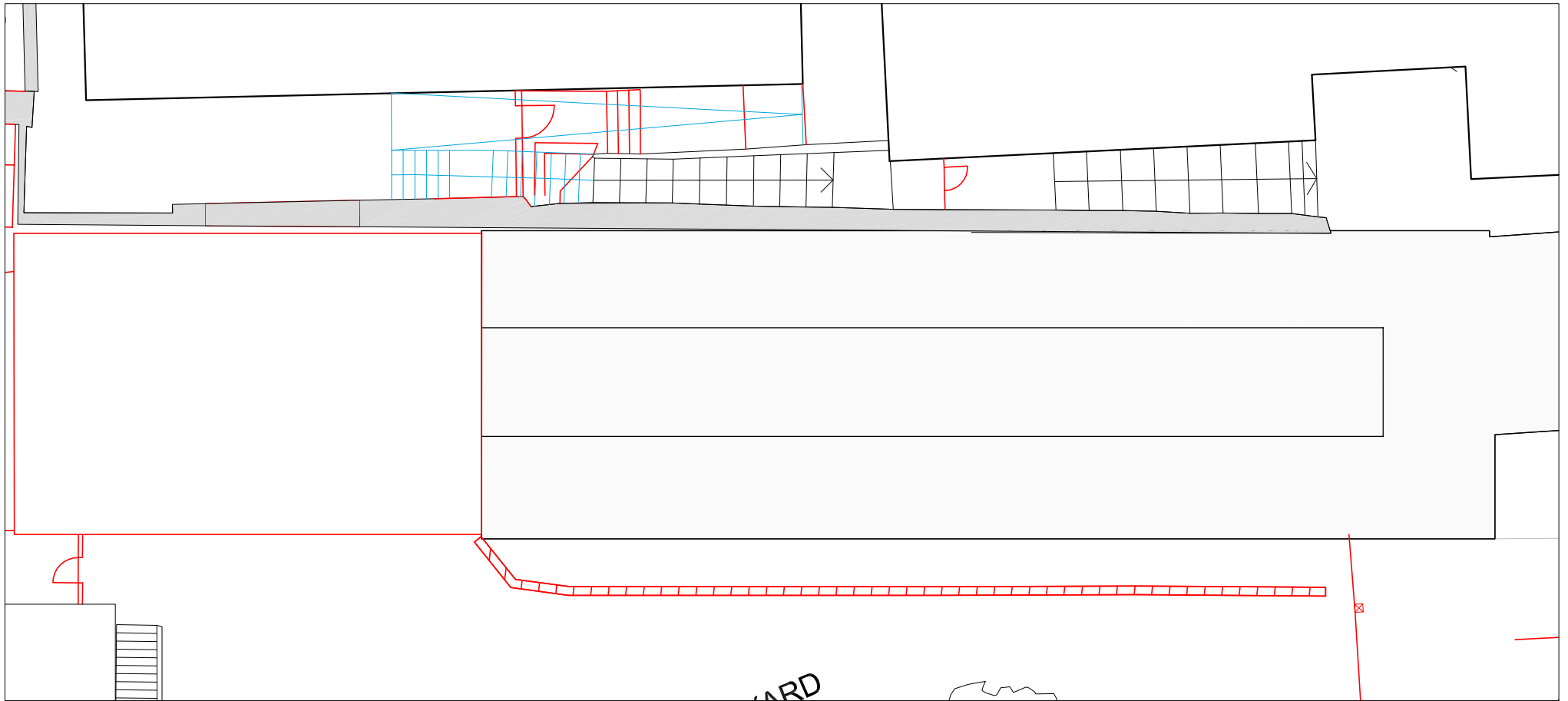
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Building no. 14 D Hall



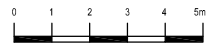


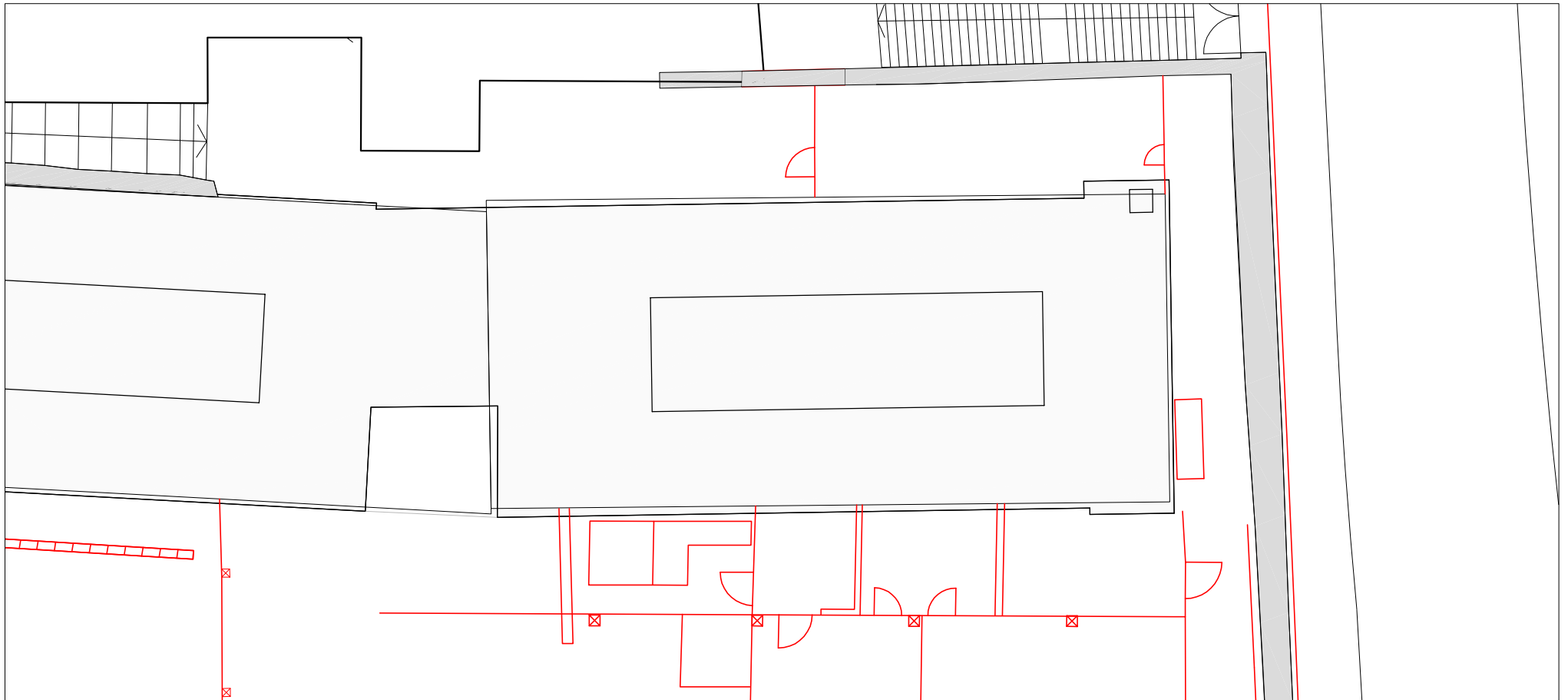
Second Floor Plan (2 of 2 - East Side)
Building no. 14 D Hall





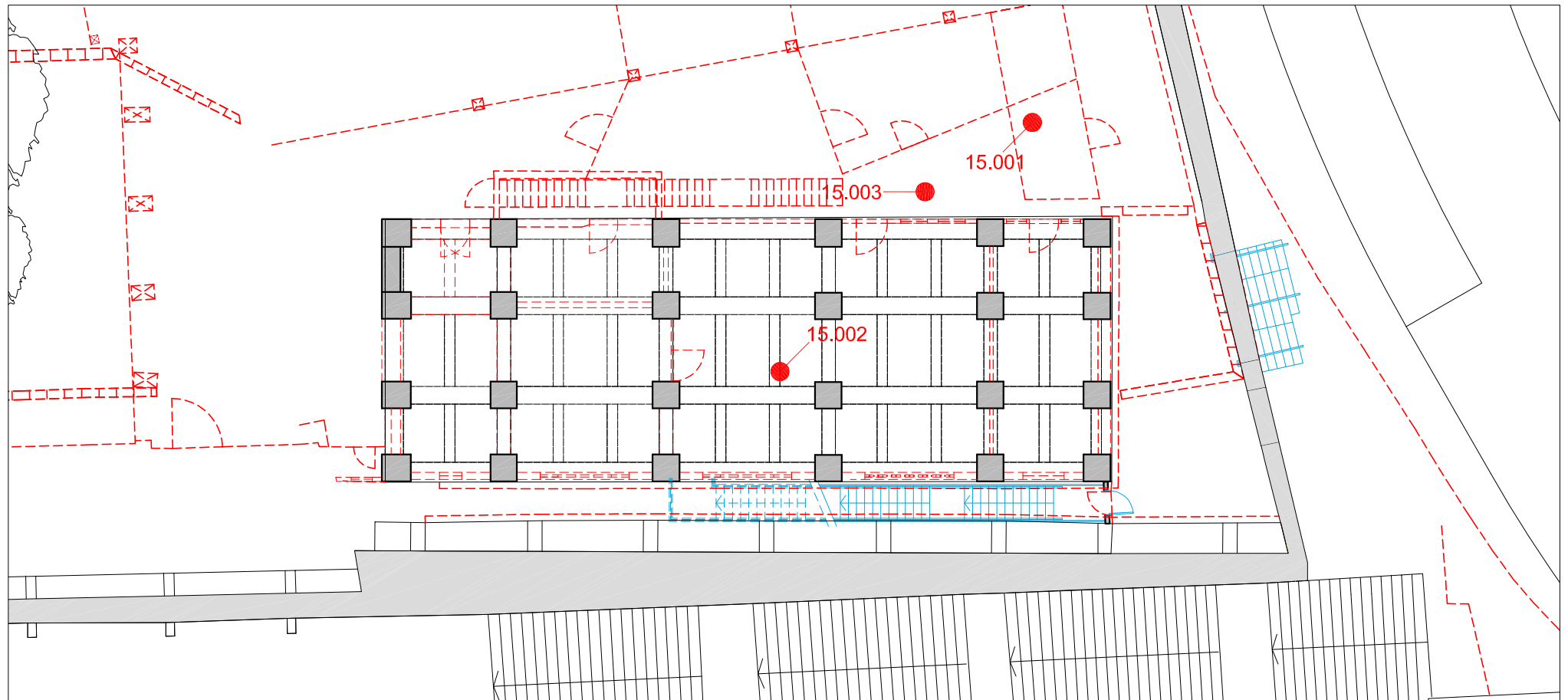
Roof Plan (1 of 2 - West Side)
Building no. 14 D Hall





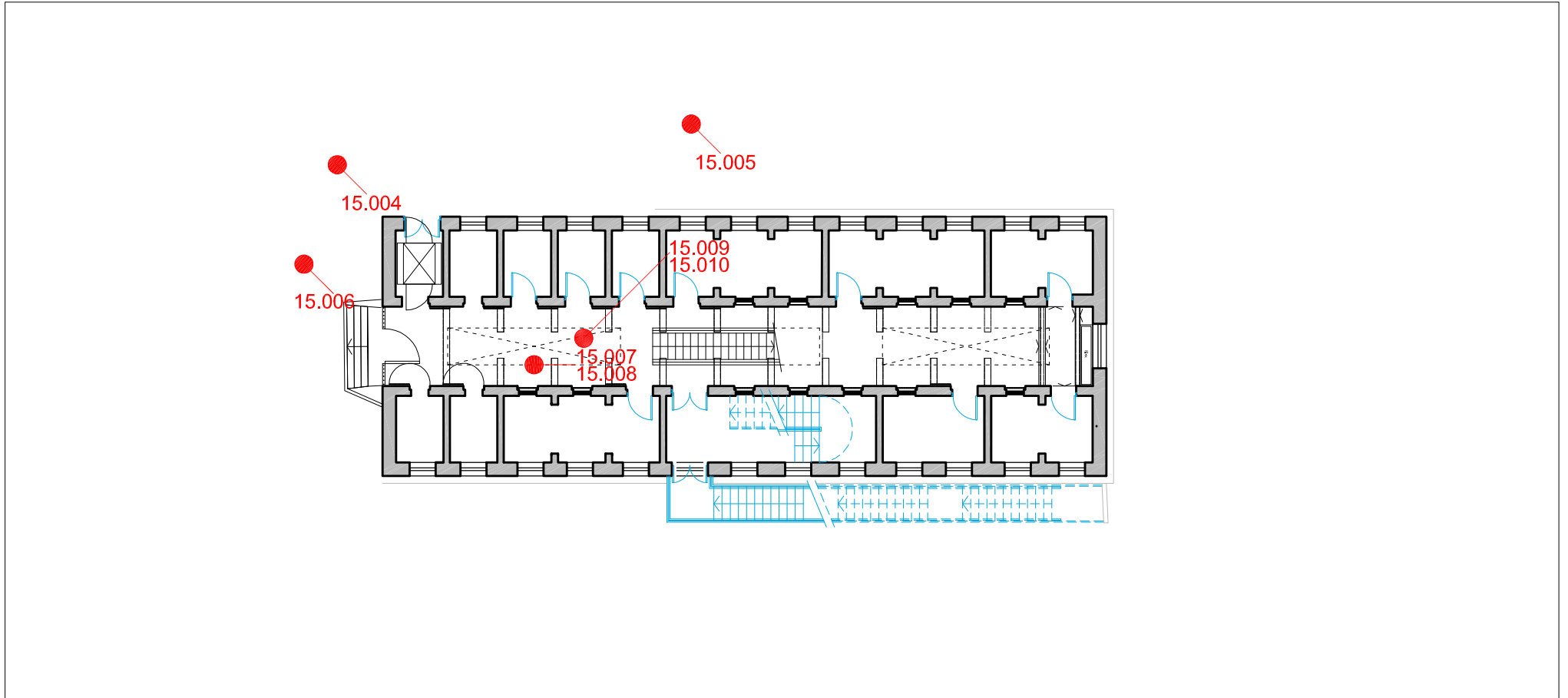
Roof Plan (2 of 2 - East Side)
Building no. 14 D Hall





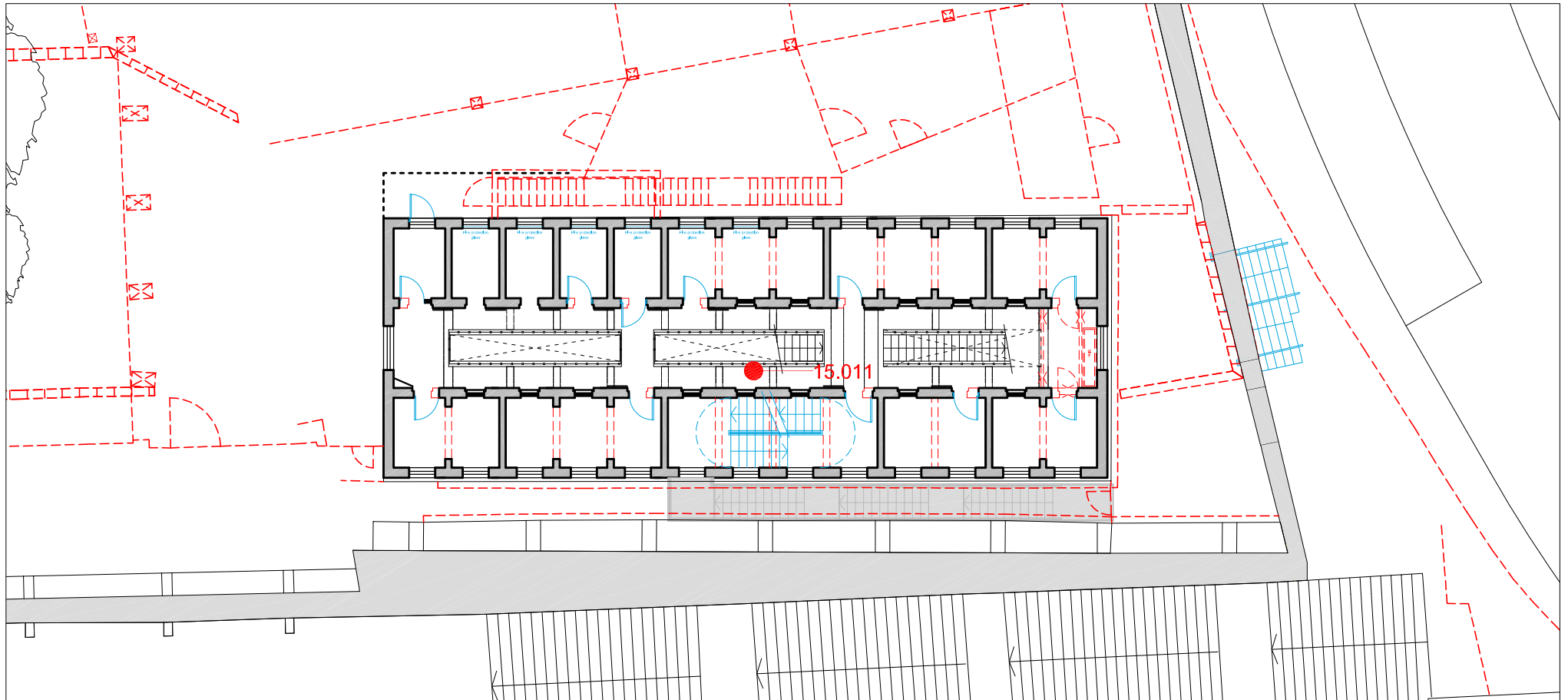
Lower Ground Floor Plan
Building no. 15 E Hall





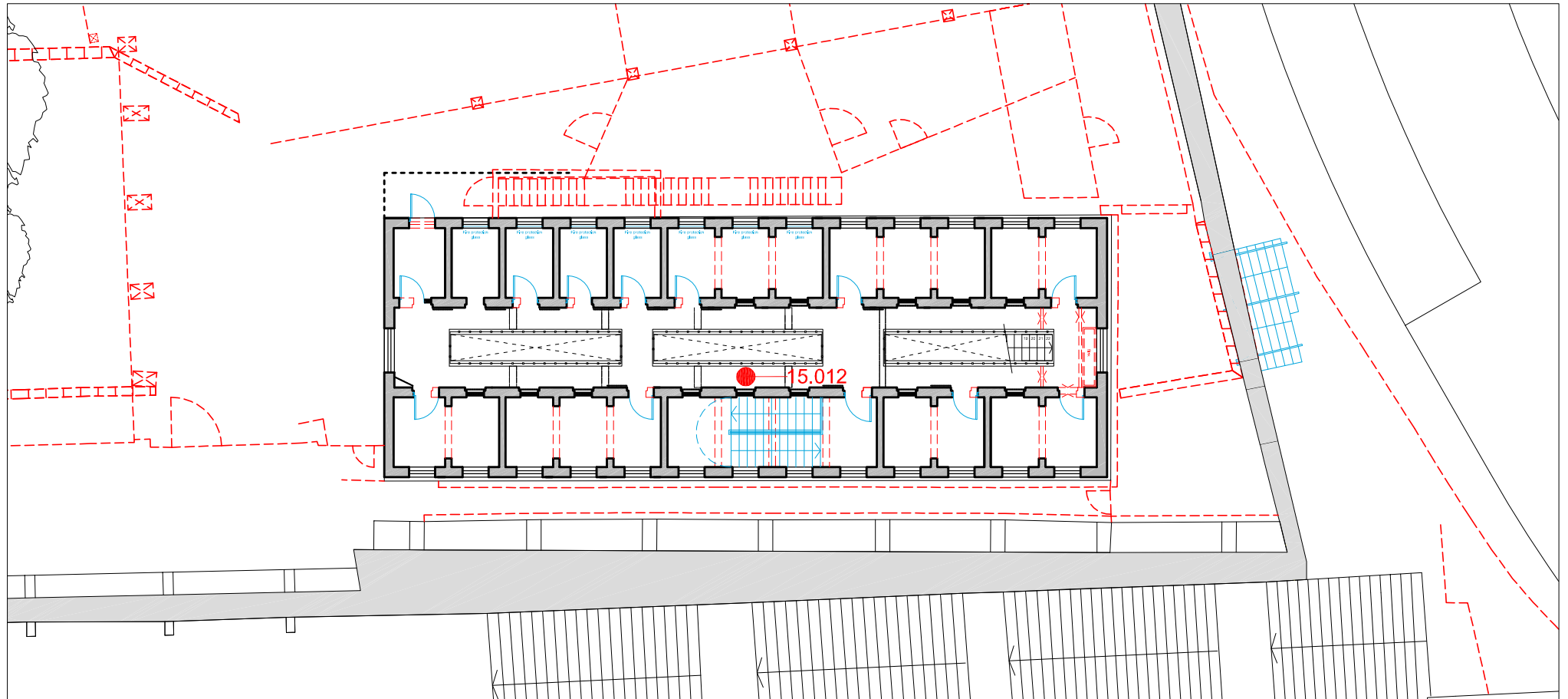
Ground Floor Plan
Building no. 15 E Hall



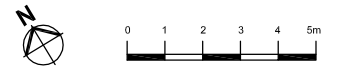


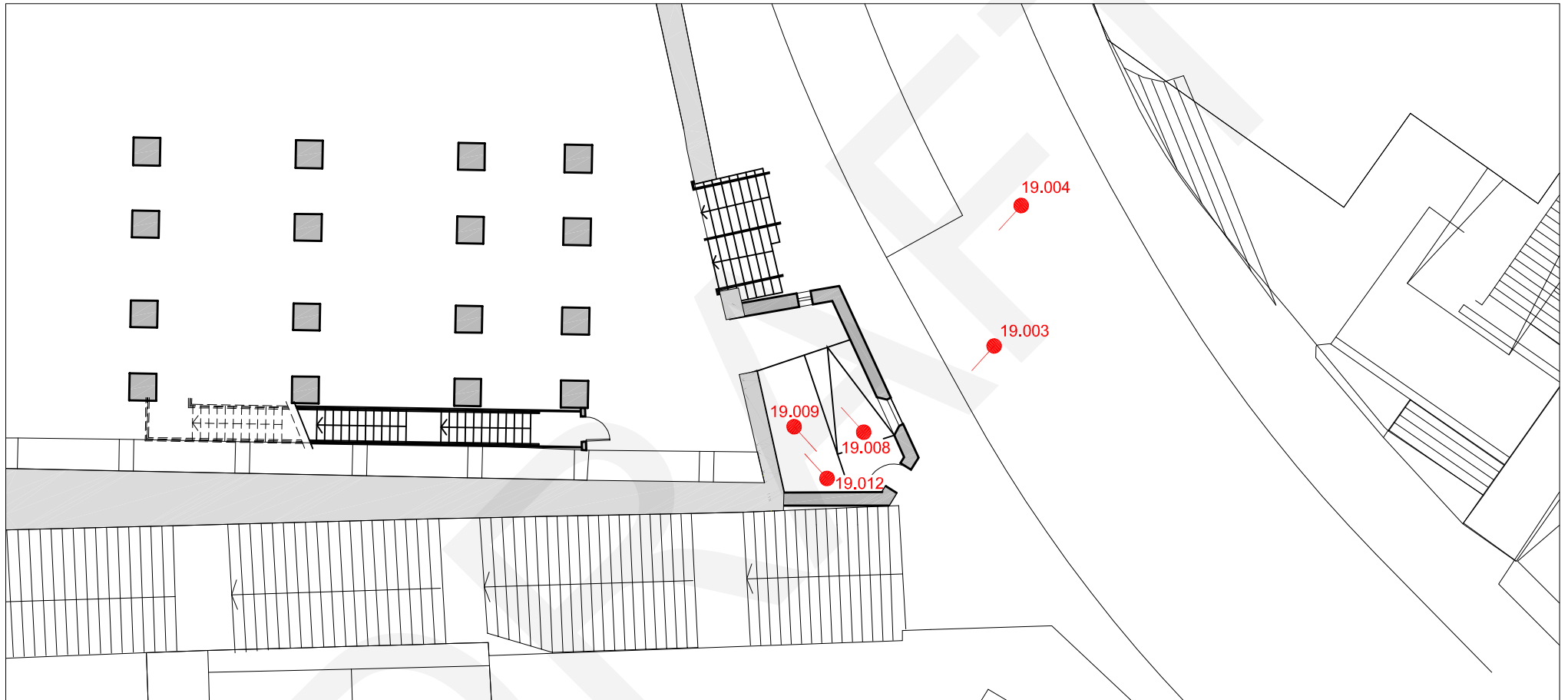
First Floor Plan
Building no. 15 E Hall





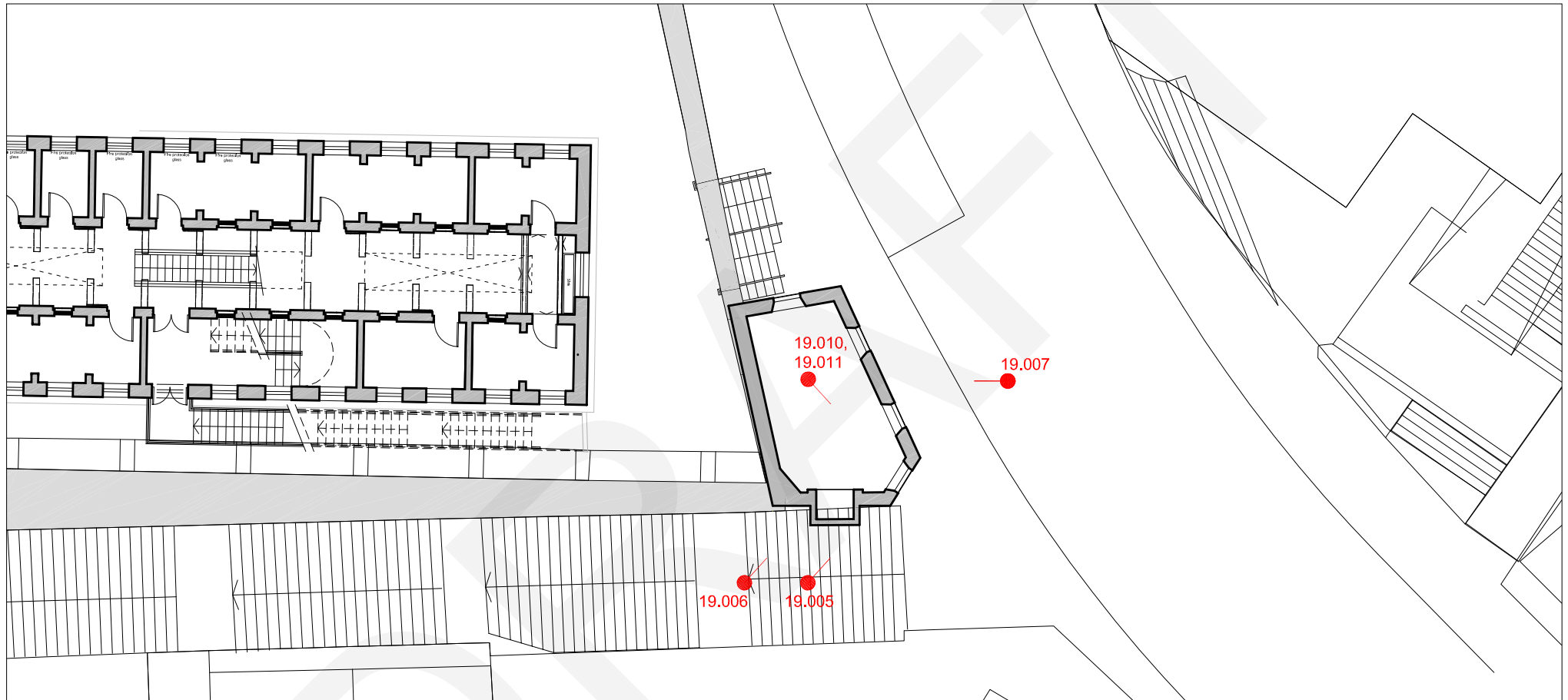
Second Floor Plan
Building no. 15 E Hall





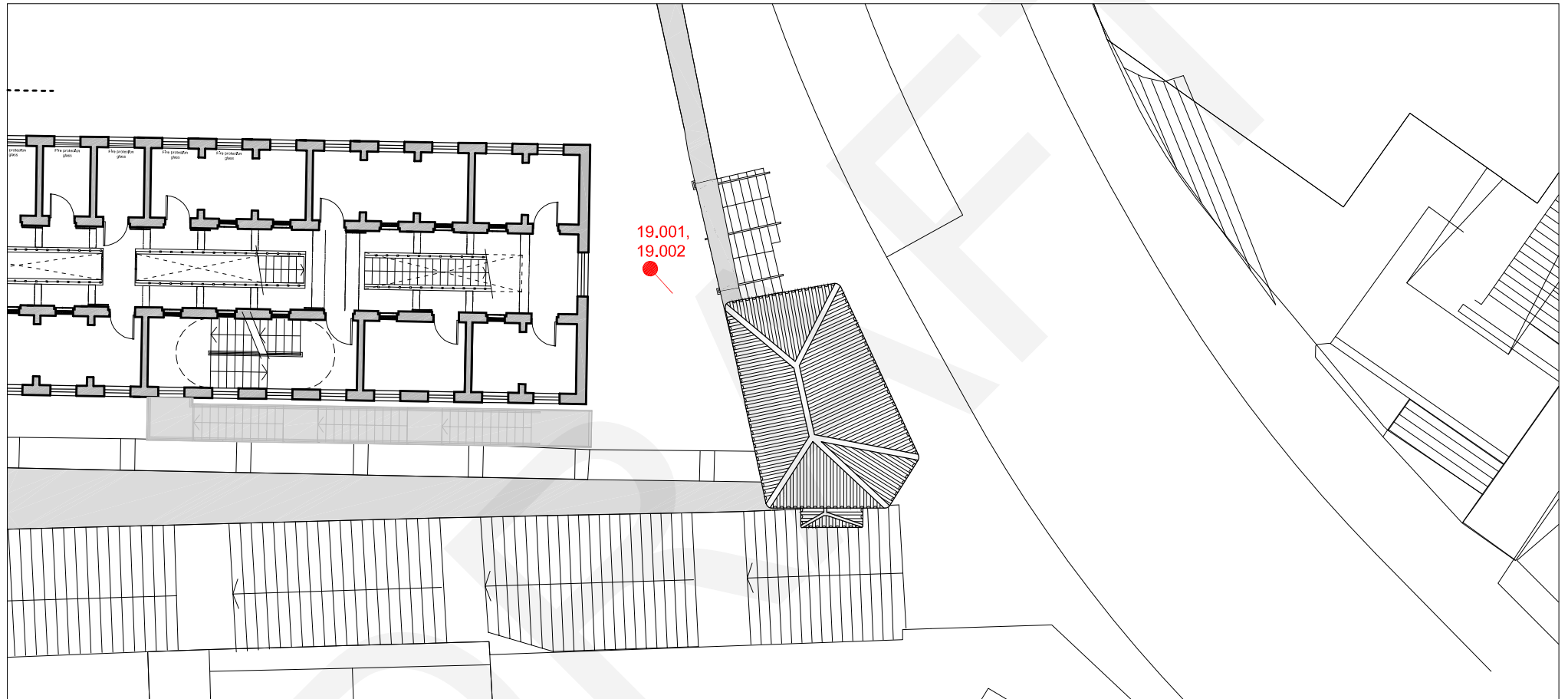
Ground Plan
Building no. 19 Bauhinia House





First Plan
Building no. 19 Bauhinia House





Roof Plan
Building no. 19 Bauhinia House



Annex K

Tree Inspection Reports



欣榮 (香港) 環境管理有限公司

Yan Wing (Hong Kong) Environment Management Limited

香港 新界 元朗 新田 米埔村 青山道 14A 號 DD 105
No. 14A, DD105, Castle Peak Road, Mai Po Tsuen, San Tin, Yuen Long, N.T., Hong Kong

通信地址 (Mail Address) : 上水郵局信箱 八八九 號 (Sheung Shui Post Office Box 889)

Tel : 9776 1987 / 2486 2317 Fax : 2482 4667 E-mail : yanwinghk@hotmail.com

3rd November 2011

Our Ref. : YW/TP/GAMMON/2011/10/1 (Revised)

Gammon Construction Limited
28/F Devon House
TaiKoo Place 979 King's Road
Hong Kong
Attn : Mr. Cliff C.H. LEUNG

Tel. 2516 8823
Fax.2516 6260

Dear Sir,

Summary of Monthly Inspection Report for the Six Existing Trees
at Central Police Station Compound for Oct. 2011
(Contract Ref. : J3416/400.4/D00025)

Tree No.	Botanical Name	Date of Inspection	Overall Health Condition Good/Fair/Poor	Remarks
Tree-5	<i>Mangifera indica</i> 芒果	27 th Oct. 2011	Good	<ol style="list-style-type: none"> To remove the cleaning tools away from the planter. To clear the rubbish at the planter. To link up the protective fence.
Tree-6	<i>Aleurites moluccana</i> 石栗	27 th Oct. 2011	Fair	<ol style="list-style-type: none"> To remove the construction debris away from the planter. To clear the rubbish at the planter. To remove the trolley away from the cordon area.





欣榮 (香港) 環境管理有限公司

Yan Wing (Hong Kong) Environment Management Limited

香港 新界 元朗 新田 米埔村 青山道 14A 號 DD 105
No. 14A, DD105, Castle Peak Road, Mai Po Tsuen, San Tin, Yuen Long, N.T., Hong Kong

通信地址 (Mail Address) : 上水郵局信箱 八八九 號 (Sheung Shui Post Office Box 889)

Tel : 9776 1987 / 2486 2317 Fax : 2482 4667 E-mail : yanwinghk@hotmail.com


Tree-7	<i>Aleurites moluccana</i> 石栗	27 th Oct. 2011	Fair	1. To remove the broom away from the planter.
Tree-8	<i>Plumeria rubra</i> 紅雞蛋花	27 th Oct. 2011	Fair	1. To remove the construction debris away from the planter.
Tree-9	<i>Araucaria cunninghamia</i> 花旗杉	27 th Oct. 2011	Fair	1. To clear all the under-growth at the planter. 2. To remove the rubbish away from the planter.
Tree-11	<i>Dracaena marginata</i> 馬尾鐵	27 th Oct. 2011	Fair	1. To clear the under-growth at the planter. 2. To remove the rubbish away from the planter. 3. To install protective fence 1.2mH surround the tree and fence wraps with reflex mesh.

Tree Inspection Reports are attached for your reference and record, please.

I should be much grateful if you could endorse the attached Invoice (No.1005) and return the pink copy of the Invoice by mail to my Office via Sheung Shui P.O. Box 889. Thank you.

Yours faithfully

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


(WONG Pak Hay)
Horticulture Manager





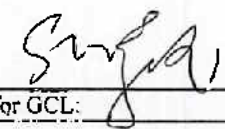
From: (Sub contractor Name): 依榮

Project: Central Police Station Conservation and Revitalization Project

To: Gammon Construction Ltd

Item	Brief Description of Work and Location	Note D or S	Painter	Plumber	Drainlayer	Blockwork	Blacksmith	Plasterer	Tile Layer	Concretor	Excavator	Steelfixer	Scaffolder	Plant Operator	Carpenter	Rigger	Welder	Electrician	Filter	Drywall	Foreman	Formworker	Pumper	Window Frame	Fire Services	Town Gas	Leveler	Driver	Watchman	Door Frame	Female Labourer	Skilled Labourer	Unskilled Labourer	Concrete	Day Labour Total			
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.	檢查樹木健康																																					0
2.																																						0
3.																																						0
4.																																						0
5.																																						0
6.																																						0
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15.																																						0
16.																																						0
17.																																						0
18.																																						0
19.																																						0
Total			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

D : Directed Employed		SC : Sub-contracted		S : Stand-by		W : Working		Remarks
No.	Staff	No.	Staff	Plant				
	Project Manager		Senr. Bldg. Services co-ordin			S	W	
	Assistant Project Manager		Bldg. Services Engineer	Air Compressor				Tower Crane
	Site Agent		Project Quantity Surveyor	Backhoe				Material Hoist
	Sub-Agent		Quantity Surveyor	Roller				FS Booster Pum
	Building Engineer		Assistant Quantity Surveyor	Hydraulic Break				Drills Rigs
	Foreman		Safety Officer (Part-time)	Loader				Hammers (DTH)
	Site Engineer		Clerk/Storekeeper	Van				Mobile Crane
	Surveyor			Lorry				Water Pump
	Secretary			Generator				Forklift
				Concrete Pump				Bobcat
				Placing Boom				Concrete Vibrator
				Passenger Hoist				Water Pressure
		0	Total					

Signed for (sub cont.): _____ Signed for GCL: _____

FORM 1: TREE GROUP INSPECTION FORM

表格 1: 樹群檢查表格

General Information 基本資料

Company 公司:	Gammon Construction Ltd	Name of Tree Inspection officer 巡查人員姓名:	HO Kun Chung
File Ref. 檔案編號:	YW/TP/GAMMON/2011/10/2	Name of Endorsement Officer 覆核人員姓名:	WONG Pak Hay
Date of Inspection 巡查日期:	October 27, 2011		
Project/Contract No. 合約/工程編號:	J3416/400.4/D00025		

Location Information 位置資料

Location 地點:	Central Police Station Compound	Nearby Utility Post No. 就近公用設施編號:	
Location Types 地點類別: Address: _____ (multiple answers allowed) 可選多於一項	<input type="checkbox"/> Roadside 路旁 <input checked="" type="checkbox"/> Open space 空地 <input type="checkbox"/> Exhibition Centre 展覽中心 <input type="checkbox"/> View Point 觀景台 <input type="checkbox"/> Walking / nature trail 行山徑 / 自然徑 <input type="checkbox"/> Others (please specify) 其他 (請說明): _____		
	<input type="checkbox"/> Community Hall / Centre 社區會堂 / 中心 <input type="checkbox"/> Roadside Planter 路旁花圃 <input type="checkbox"/> Rain shelter / pavilion 避雨亭 / 涼亭 <input type="checkbox"/> Sitting out area 休憩處		

General Tree Information 基本樹木資料

* Delete as appropriate 請把不合適的刪除

Main tree species in the group or minority tree species of significant size 在群組內的主要樹種或樹幹胸徑或高度或樹冠範圍較大的樹種 (Note 2)	Approx. number of trees in the relevant species or as a % of tree group 該樹種在群組內的百分比/數目*	Range of tree height (m) 該樹種高度範圍	Overall health condition 整體健康狀況 (good, fair, poor 好, 良, 差)	Overall structural condition 整體結構狀況 (good, fair, poor 好, 良, 差)	Other remarks (Any special tree condition, e.g. dying/dead, pest/disease problem and structural defects, and soil condition 其他評語 (樹木狀況例如: 凋謝/枯樹/病蟲害或結構問題; 及泥土狀況)
<i>Mangifera indica</i> 芒果	17%, 1 No.	16M	GOOD	GOOD	
<i>Aleurites moluccana</i> 石栗	32% 2 Nos.	10-13M	FAIR	FAIR	
<i>Plumeria rubra</i> 紅雞蛋花	17% 1 No.	7M	FAIR	FAIR	
<i>Araucaria cunninghamia</i> 花旗杉	17% 1 No.	13M	FAIR	FAIR	
<i>Dracaena marginata</i> 馬尾鐵	17% 1 No.	8M	FAIR	FAIR	

Target 目標

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

Identification of Trees for Remedial Action or Detailed Tree Risk Assessment

識別下列樹木, 以便採取風險緩減措施或進行詳細樹木風險評估

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

Attached Information 附夾資料

<input type="checkbox"/> Site plan 場地平面圖	<input checked="" type="checkbox"/> Photo record 相片紀錄	<input type="checkbox"/> Others 其他 (please specify 請說明): Monthly Inspection Reports
--	---	--

Signature of Endorsement Officer: _____

Signature of Tree Inspection Officer: _____

Name of Contractor: **Yan Wing (HK) Environment Management Ltd.**

Date: **03-11-2011**



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

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

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

備註 2: 請參閱樹木管理辦事處的樹木風險評估安排及管理指引(第 4.3 節)

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

I. TREE NUMBER : Tree-5 *Mangifera indica* 芒果

II. BASIC INFORMATION :

Height (m)	16m	Crown spread (m)	18m
DBH (mm)	1000mm	Overall Health Condition	GOOD
Date of Inspection		27 th October 2011	

III. COMMENTS :

1. *Mangifera indica* is a fast growing tree normally with a large and heavy crown.
2. The tree is growing at an appropriate planter surrounded by protective fence.
3. The health condition of the tree is good at the time of inspection.

IV. RECOMMENDATIONS :

1. To remove the cleaning tools away from the planter.
2. To clear the rubbish at the planter so as to keep the planter always clean and tidy.
3. To link up the protective fence in order to create a cordon area.

V. PHOTO RECORD :

Fig 1. Tree number



Fig 2. Overall view of the tree.



Fig. 3 To remove the cleaning tools away from the planter.



Fig. 4 To clear the rubbish at the planter.



Fig. 5 To link up the protective fence in order to create a cordon area.



Signature of Inspection Officer :
(Mr. HO Kun-chung, ISA CA -HK0452A)

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

Name of Contractor :

Dated this :

Yan Wing (HK) Environment
Management Ltd.

3rd November 2011



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

I. TREE NUMBER : Tree-6 *Aleurites moluccana* 石栗

II. BASIC INFORMATION :

Height (m)	10m	Crown spread (m)	10m
DBH (mm)	510mm	Overall Health Condition	FAIR
Date of Inspection		27 th October 2011	

III. COMMENTS :

1. *Aleurites moluccana* is a flowering tree with a large and heavy crown.
2. The tree is growing at a planter which accumulates with too much top soil.
3. The cordon area keeps clean and tidy.
4. The overall health condition of the tree is fair at the time of inspection.

IV. RECOMMENDATIONS :

1. To remove the construction debris away from the planter.
2. To clear the rubbish at the planter so as to keep the planter always clean and tidy.
3. To remove the trolley away from the cordon area.

V. PHOTO RECORD :

Fig 1. Tree number

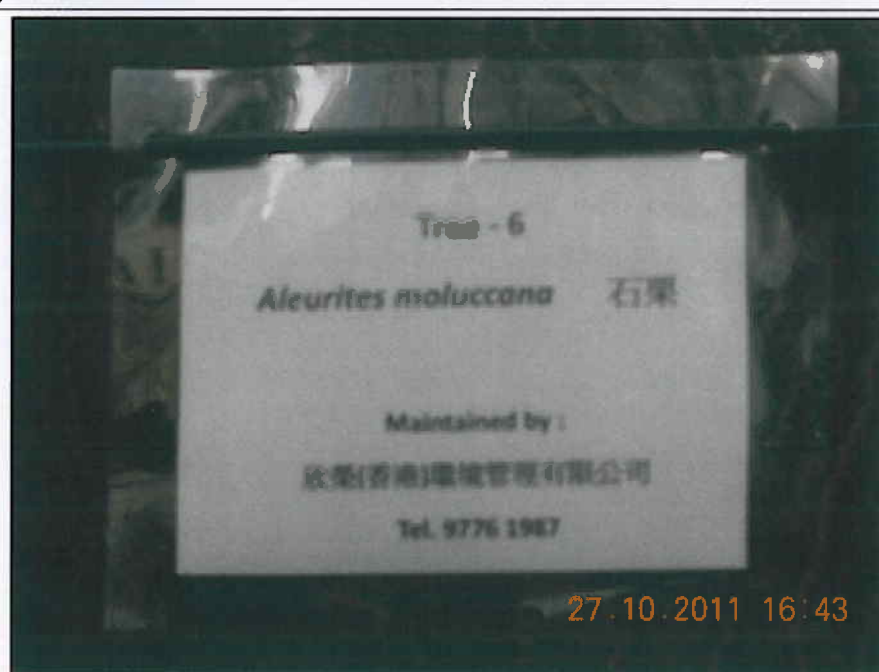


Fig 2. Overall view of the tree.



Fig 3 Too much top soil accumulated on the root collar.



Fig. 4 To clear the construction debris and rubbish at the planter.

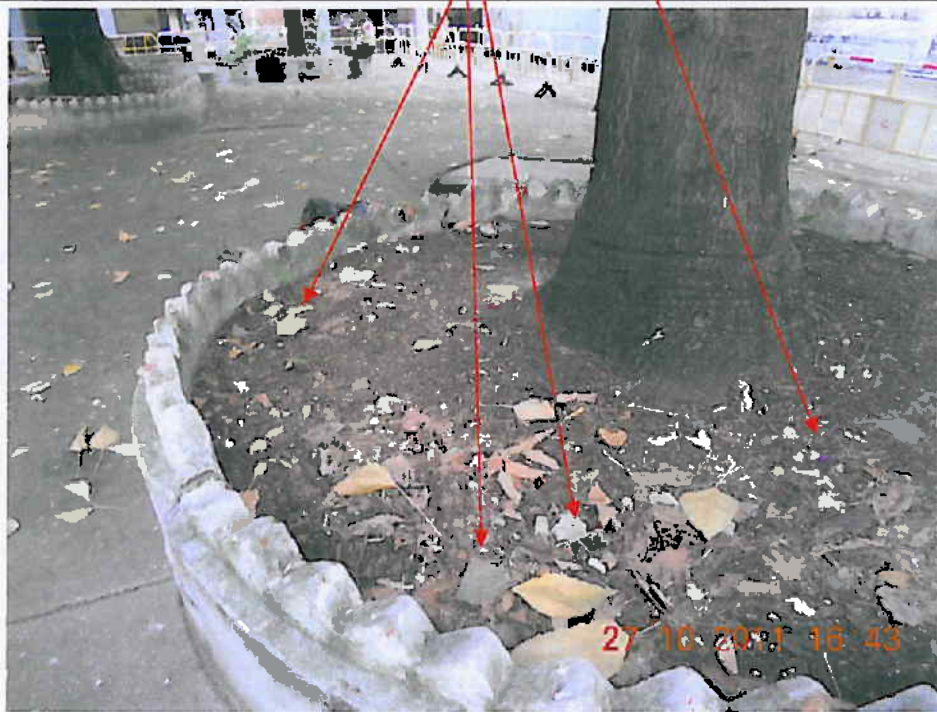


Fig. 5 To remove the trolley away from the cordon area.



Signature of Inspection Officer :
(Mr. HO Kun-chung, ISA CA -HK0452A)

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

Name of Contractor :

Dated this :

Yan Wing (HK) Environment
Management Ltd.

3rd November 2011



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

I. TREE NUMBER : Tree-7 *Aleurites moluccana* 石栗

II. BASIC INFORMATION :

Height (m)	13m	Crown spread (m)	12m
DBH (mm)	650mm	Overall Health Condition	FAIR
Date of Inspection		27 th October 2011	

III. COMMENTS :

1. *Aleurites moluccana* is a flowering tree with a large and heavy crown.
2. The tree is growing at a planter which accumulates with too much top soil.
3. The cordon area appears to be clean and tidy.
4. The overall health condition of the tree is fair at the time of inspection.

IV. RECOMMENDATIONS :

1. To remove the broom away from the planter.

V. PHOTO RECORD :

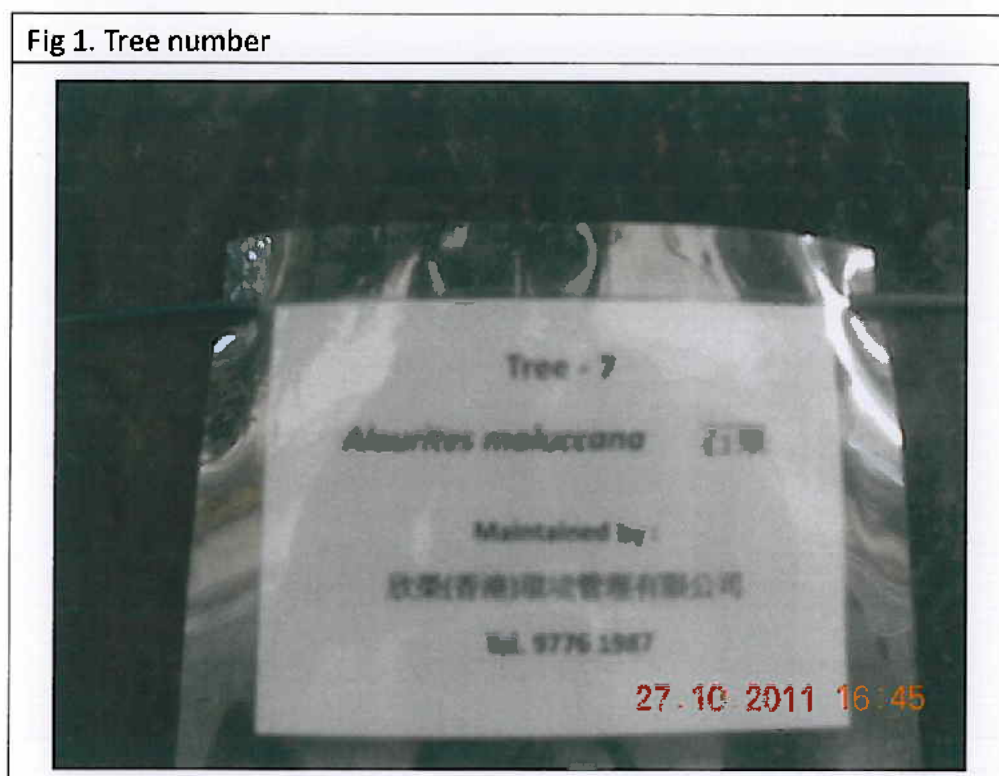


Fig 2. Overall view of the tree.

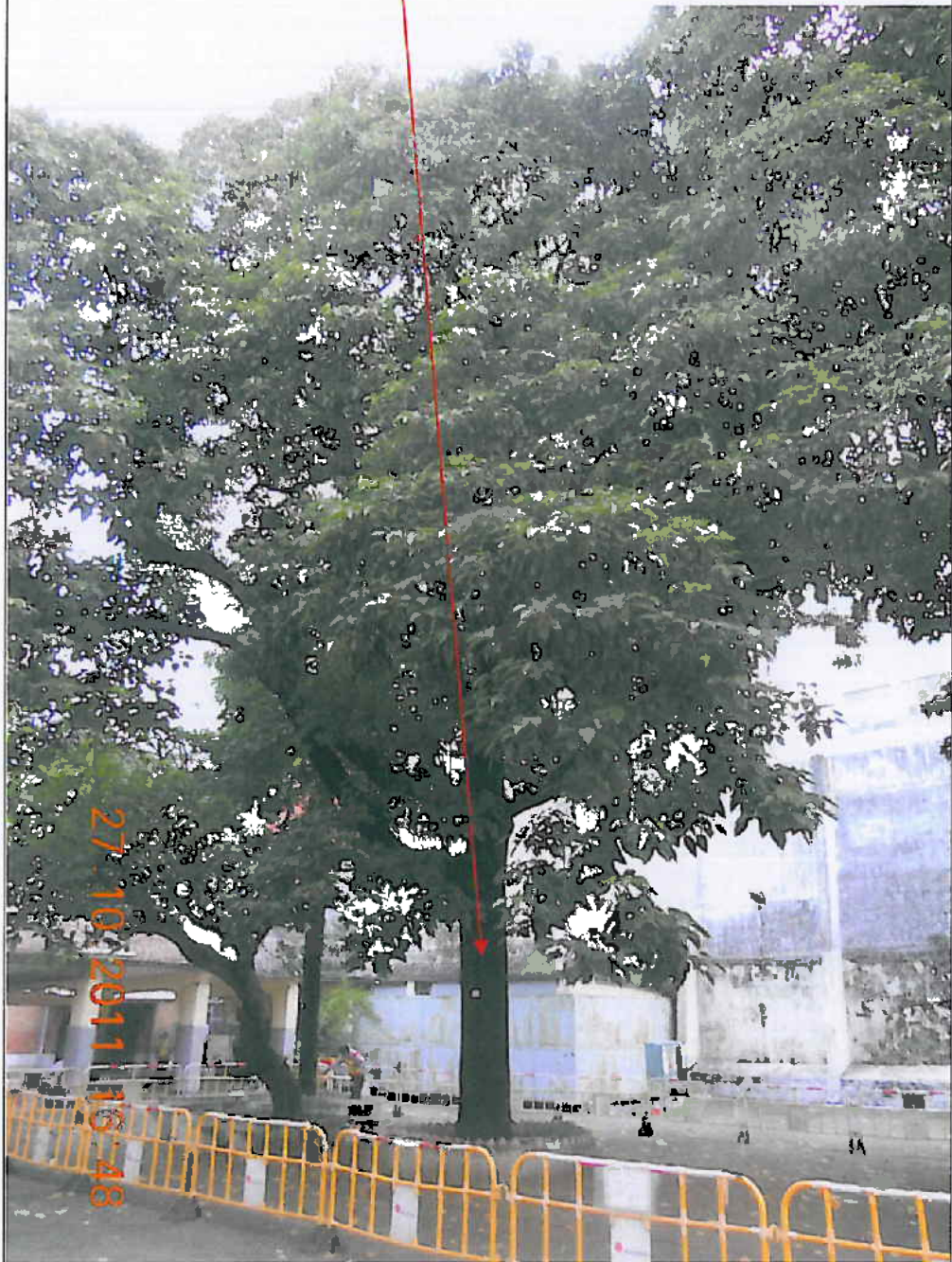


Fig. 3 Too much top soil accumulated on the root collar.



Fig. 4 To remove the broom away from the planter.



Signature of Inspection Officer :
(Mr. HO Kun-chung, ISA CA -HK0452A)

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

Name of Contractor :

Dated this :

Yan Wing (HK) Environment
Management Ltd.

3rd November 2011



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

i. TREE NUMBER : Tree-8 *Plumeria rubra* 紅雞蛋花

II. BASIC INFORMATION :

Height (m)	7m	Crown spread (m)	9m
DBH (mm)	430mm	Overall Health Condition	FAIR
Date of Inspection		27 th October 2011	

III. COMMENTS :

1. *Plumeria rubra* is a popular garden plant with fragrant flowers during summer and autumn.
2. The tree is growing at a planter which accumulates with too much top soil.
3. The cordon area appears to be clean and tidy.
4. The overall health condition of the tree is fair at the time of inspection.

IV. RECOMMENDATIONS :

1. To clear the construction debris at the planter.

V. PHOTO RECORD :

Fig 1. Tree number



Fig 2. Overall view of the tree.



Fig 3 To clear the construction debris at the planter.



Signature of Inspection Officer :
(Mr. HO Kun-chung, ISA CA -HK0452A)

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

Name of Contractor :

Dated this :

A handwritten signature in blue ink, appearing to be 'Yan Wing', written over a horizontal line.

Yan Wing (HK) Environment
Management Ltd.

3rd November 2011



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

I. TREE NUMBER : Tree - 9 *Araucaria cunninghamia* 花旗杉

II. BASIC INFORMATION :

Height (m)	13m	Crown spread (m)	5m
DBH (mm)	230mm	Overall Health Condition	FAIR
Date of Inspection		27 th October 2011	

III. COMMENTS :

1. *Araucaria cunninghamia* is a large rainforest conifer and a very good tropical plant.
2. The tree is growing at a planter which accumulates with too much top soil.
3. Some under-growth and rubbish appear at the planter.
4. An introductory sign is being displayed in front of the cordon area.
5. The overall health condition of the tree is fair at the time of inspection.

IV. RECOMMENDATIONS :

1. To remove all the under-growth away from the planter.
2. To clear the rubbish at the planter.

V. PHOTO RECORD :

Fig 1. Tree number

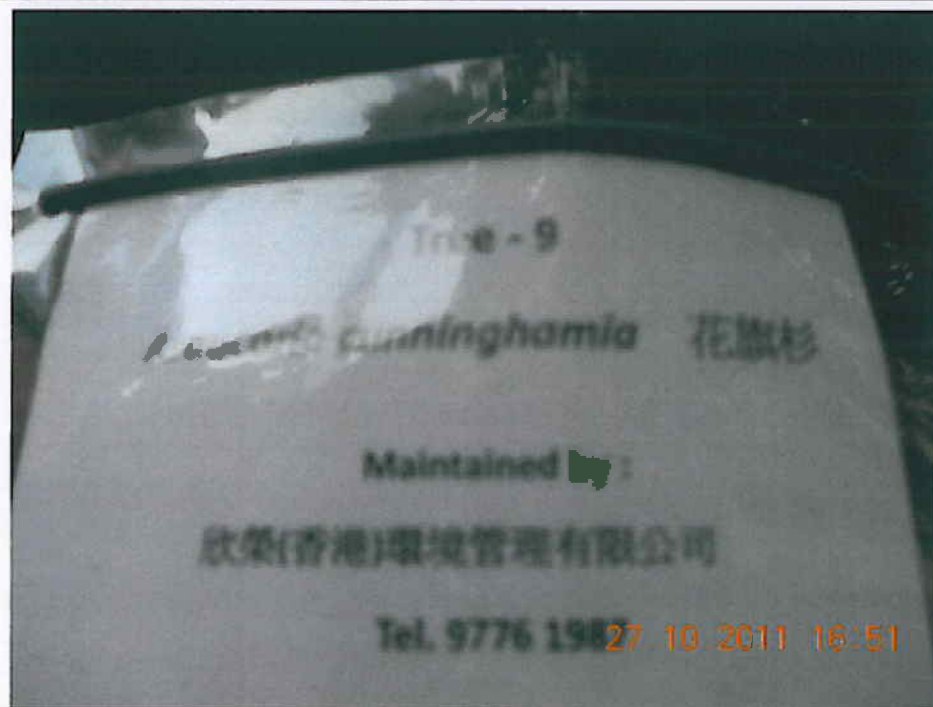


Fig 2. Overall view of the tree.



Fig 3 An introductory sign displays in front of the cordon area.



Fig. 4 To remove all the under-growth away from the planter.

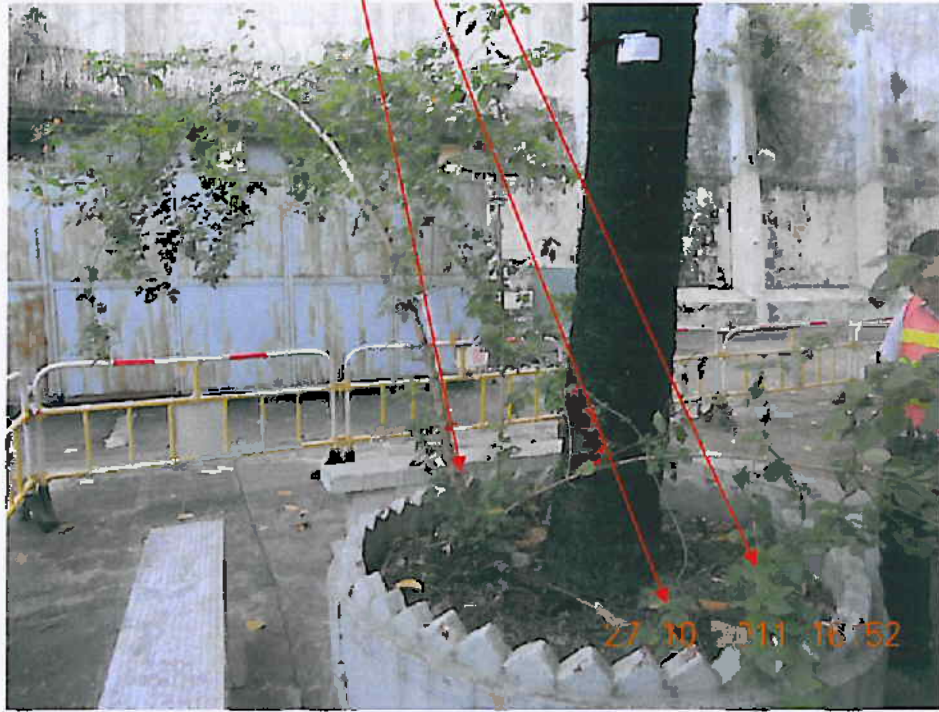


Fig. 5 To clear the rubbish at the planter.



Signature of Inspection Officer :
(Mr. HO Kun-chung, ISA CA –HK0452A)

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

Yan Wing (HK) Environment
Management Ltd.

Name of Contractor :

Dated this :

3rd November 2011



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

I. TREE NUMBER : Tree -11 *Dracaena marginata* 馬尾鐵

II. BASIC INFORMATION :

Height (m)	8m	Crown spread (m)	2m
DBH (mm)	170mm	Overall Health Condition	FAIR
Date of Inspection		27 th October 2011	

III. COMMENTS :

1. *Dracaena marginata* is a tropical tree with multi-stem.
2. The tree is growing at a narrow planter close to the door of the building.
3. There are some dead branches on the upper trunk of the tree.
4. The overall health condition of the tree is fair at the time of inspection.

IV. RECOMMENDATIONS :

1. To clear the under-growth at the planter.
2. To remove the rubbish away from the planter.
3. To install protective fence (1.2m H) surround the tree and fence should be wrapped with reflex mesh.

V. PHOTO RECORD :

Fig 1. Tree number



Fig 2. Overall view of the tree.



Fig 3 To clear the under-growth at the planter.



Fig. 4 To install a protective fence (1.2m H) surround the tree.

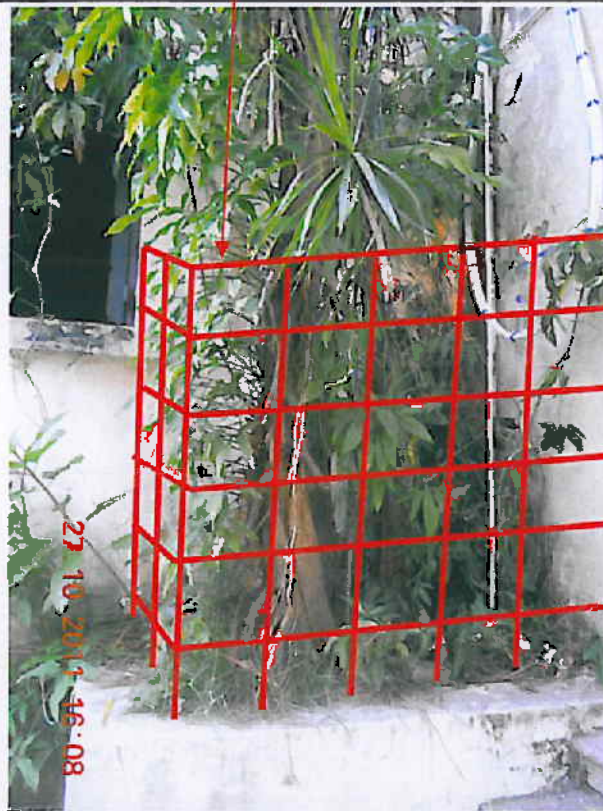


Fig. 5 To remove the rubbish away from the planter.



Signature of Inspection Officer :
(Mr. HO Kun-chung, ISA CA –HK0452A)

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

Name of Contractor :

Dated this :



Yan Wing (HK) Environment
Management Ltd.
3rd November 2011



Tree Risk Assessment Report

For

A

Mangifera indica 芒果

Tree - 5


At

Central Police Station Compound

Signature of Qualified Arborist : _____



Signature of Contract Manager : _____



Name of Contractor : Yan Wing (HK) Environment Management Ltd

Dated this : 3rd November 2011

FORM 2: TREE RISK ASSESSMENT FORM

表格 2: 樹木風險評估表格

General Information 基本資料

Company 公司:	Gammon Construction Ltd	Inspection officer	巡查人員: HO Kun Chung	Post 職位: Qualified Arborist
File Ref. 檔案編號:		Endorsement Officer	覆核人員: Wong Pak Hay	Post 職位: Contract Manager
Date of Inspection 巡查日期:	October 27, 2011	Last Inspection Date	上次巡查日期:	NIL
Project/Contract No 合約/工程編號:	J3416/400.4/D00025			
Inspection Frequency 巡查週期:	Once per month			

Location Information 位置資料

Tree ID 樹木編號: Tree-5	Tree Species 樹木品種: Mangifera indica 芒果
Location 地點: Central Police Station Compound	Nearby Utility Post No 就近公用設施編號:
Location Types 地點類別: (multiple answers allowed 可選多於一項):	<input type="checkbox"/> Roadside Landscaped Area 路旁綠地 <input type="checkbox"/> Public Park/Recreation Venue 公園/康樂場地 <input type="checkbox"/> Remote countryside 偏遠郊區 <input checked="" type="checkbox"/> Vacant Government land 政府閒置土地 <input type="checkbox"/> Others (please specify) 其他 (請說明):
	<input type="checkbox"/> Central divider 中央分隔帶 <input type="checkbox"/> Unallocated Government Land 未撥用的政府土地 <input type="checkbox"/> Recreational site/facilities inside country park 郊野公園內康樂用地或設施 <input type="checkbox"/> SIMAR slopes 系統性維修修路工程的斜坡 <input type="checkbox"/> Village environs 鄉村範圍
No(s). of Trunk(s) (#) 主幹數目(#): 1	DBH of tree trunk(s)(mm) (1.3m above soil level) 胸徑離地面 1.3 米(毫米): 1000
Tree Height(m) 樹高(米): 16	Tree Spread(m) 樹冠闊度(米): 18
Age class 樹齡組別:	<input type="checkbox"/> young 幼 <input checked="" type="checkbox"/> mature 成熟 <input type="checkbox"/> senescent 衰老

GENERAL CONDITION 基本狀況
Foliage density 葉片密度: <input checked="" type="checkbox"/> Normal 正常 <input type="checkbox"/> Sparse 稀疏
Foliage colour 葉片顏色: <input checked="" type="checkbox"/> Normal 正常 <input type="checkbox"/> Chlorotic 萎黃 <input type="checkbox"/> Brown (signs of wilting) 褐色 (呈現枯萎徵狀)
Leaf Size 葉片大小: <input checked="" type="checkbox"/> Normal 正常 <input type="checkbox"/> Abnormal 不正常
Epicormics 水橫枝: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (please specify the location and severity 請說明位置及嚴重程度) (see note 1 見附註一)
Tree vigor 茁壯程度: <input checked="" type="checkbox"/> Good 好 <input type="checkbox"/> Average 良 <input type="checkbox"/> Poor 差
Lean 傾斜: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 Degree from vertical 傾斜角度: <input type="checkbox"/> Natural due to phototropism/self-corrected 趨光性或已自然修正 <input type="checkbox"/> Recently tilted/Unstable root-plate 新近傾斜/根基不穩
Soil cracks or cracks in structure(s) behind lean 有土壤裂縫或裂縫處於傾斜部位背後: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否

CROWN CONDITION 樹冠狀況	Severity of Defects 嚴重程度: (see note 1 見附註一)
Heavy crown load 樹冠負荷太重: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Live crown ratio 活冠比: (foliage canopy / total height of tree) 有葉的樹冠 / 樹高 <input type="checkbox"/> Low 低 < 40% <input checked="" type="checkbox"/> Medium 中 40 - 70% <input type="checkbox"/> High 高 > 70%	
Dieback twigs 枯枝: <input checked="" type="checkbox"/> <5% crown 樹冠 <input type="checkbox"/> 5 - 20% crown 樹冠 <input type="checkbox"/> 21 - 50% crown 樹冠 <input type="checkbox"/> >50% crown 樹冠	
Crown reduced/excessively thinned/ topped/ pollarded: 樹冠大幅減少 或削頂 或截頭 <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Asymmetric tree canopy 樹冠不對稱: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes please specify type 如有請說明種類)	
<input type="checkbox"/> Others (please specify): 其他 (請說明)	

BRANCH CONDITION 枝幹狀況 (multiple answers allowed 可選多於一項):	Severity of Defects 嚴重程度: (see note 1 見附註一)
<input type="checkbox"/> Co-dominant branches 等勢枝 <input type="checkbox"/> Included bark 內夾樹皮 <input type="checkbox"/> Cavities 樹洞 <input type="checkbox"/> Cracks/splits 裂縫/裂開 <input type="checkbox"/> Wounds/Mechanical injury 明顯傷痕/機械破損 <input type="checkbox"/> Dead branches/Hangers 枯死/懸吊斷枝 <input type="checkbox"/> Crooks/abrupt bends 不常規彎曲 <input type="checkbox"/> Cross branches 疊枝 <input type="checkbox"/> Heavy lateral limb 重側枝 <input type="checkbox"/> Lion's tailing 獅尾 (excessive end weight on branch 枝端過重)	
Bleeding/sap flow 滲液	
Parasitic/Epiphytic plants 寄生/附生植物: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes please specify type 如有請說明種類)	
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes please specify type 如有請說明種類)	
<input type="checkbox"/> Others (please specify): 其他 (請說明)	

<p>TRUNK CONDITION 主幹狀況</p> <p><i>(multiple answers allowed 可選多於一項):</i></p> <p><input type="checkbox"/> Decay/Cavity 腐爛/樹洞(open 可見的) Length 高: _____ (mm) Width 闊: _____ (mm) Depth 深: _____ (mm)</p> <p><input type="checkbox"/> #2 Decay/Cavity 腐爛/樹洞(open 可見的) Length 高: _____ (mm) Width 闊: _____ (mm) Depth 深: _____ (mm)</p> <p><input type="checkbox"/> #3 Decay/Cavity 腐爛/樹洞(open 可見的) Length 高: _____ (mm) Width 闊: _____ (mm) Depth 深: _____ (mm)</p> <p><input type="checkbox"/> Poor taper 不具漸尖生長</p> <p><input type="checkbox"/> Codominant trunks 等樹幹</p> <p><input type="checkbox"/> Included bark 內夾樹皮</p> <p><input type="checkbox"/> Cracks/splits 裂縫或裂開</p> <p><input type="checkbox"/> Abnormal bark crack 不尋常樹皮裂縫</p> <p><input type="checkbox"/> Bulge 腫脹</p> <p><input type="checkbox"/> Fungal fruiting bodies 呈現菌類子實體</p> <p><input type="checkbox"/> Exposed dead wood 枯幹外露</p> <p><input type="checkbox"/> Wounds/Mechanical injury 明顯傷痕/機械破損</p> <p><input type="checkbox"/> Large wound/ crack/ decay on circumference 大範圍破損或裂縫或腐爛</p> <p>Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(If yes, please specify type 如有, 請說明種類)</i></p> <p>Termites</p> <p><input type="checkbox"/> Others (please specify): 其他(請說明)</p>	<p>Severity of Defects 嚴重程度: <i>(see note 1 見附註一)</i></p>	<p>ROOT CONDITION 根部狀況</p> <p><i>(multiple answers allowed 可選多於一項):</i></p> <p><input type="checkbox"/> Root flare/collar not visible 根脊不現</p> <p><input type="checkbox"/> Root rot 根部腐壞</p> <p><input type="checkbox"/> Cracks/splits 裂縫或裂開</p> <p><input type="checkbox"/> Cut/pruned roots 根部經切割或截根</p> <p><input type="checkbox"/> Fungal fruiting bodies 呈現菌類子實體</p> <p><input type="checkbox"/> Dead surface roots 根部枯萎</p> <p><input type="checkbox"/> Exposed root 根部外露</p> <p><input type="checkbox"/> Mechanical injury 機械破損</p> <p><input type="checkbox"/> Termites/borers injury 白蟻或蛀心蟲蛀蝕</p> <p><input type="checkbox"/> Root-plate movement 根基移位</p> <p><input type="checkbox"/> Girdling roots 纏繞根</p> <p>Rooting area restricted 根部伸展範圍受限制: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(If yes pls specify type 如有請說明)</i></p> <p><input type="checkbox"/> Drain 渠道</p> <p><input checked="" type="checkbox"/> Footpath/pavement 行人道</p> <p><input type="checkbox"/> Road curb 路邊</p> <p><input type="checkbox"/> Retaining structure 護土結構</p> <p><input type="checkbox"/> Footings or railings 地基或欄杆</p> <p><input type="checkbox"/> Others (please specify): 其他(請說明)</p> <p>Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(If yes, please specify type 如有, 請說明種類)</i></p> <p><input type="checkbox"/> Others (please specify): 其他(請說明)</p>	<p>Severity of Defects 嚴重程度: <i>(see note 1 見附註一)</i></p>	<p>SITE CONDITION 樹木生長環境</p> <p><i>(multiple answers allowed 可選多於一項):</i></p> <p>Site disturbed by construction activities 鄰近環境受工程影響: <input type="checkbox"/> Road widening 道路擴寬 <input type="checkbox"/> Drain replacement 渠道重鋪 <input type="checkbox"/> Soil grade reduce/ increase 地表上升或下降 <input type="checkbox"/> Site clearing 地盤平整活動 <input type="checkbox"/> Soil heaving 土壤脹起 <input type="checkbox"/> Laying of new footpath 鋪設行人道 <input type="checkbox"/> Laying of underground utilities 鋪設地下設施 <input type="checkbox"/> New flower beds/ new lawn below tree 在樹下加建花圃/草坪 <input type="checkbox"/> Others (please specify) 其他(請說明)</p> <p>Soil condition 土壤情況 <input checked="" type="checkbox"/> Sandy 沙質 <input type="checkbox"/> Clay 粘土 <input type="checkbox"/> Water logging 積水 <input type="checkbox"/> Soil compaction 土壤被擠壓</p> <p>Planting area paved 植植而被覆蓋或鋪設: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(restricted root growth area inside dripline 於滴水線範圍內有障礙物限制根部延伸)</i> <input type="checkbox"/> < 25% <input checked="" type="checkbox"/> 26-50% <input type="checkbox"/> 51-75% <input type="checkbox"/> >75%</p> <p>Width of Planting area 植植而範圍 <input type="checkbox"/> < 1.2m <input type="checkbox"/> 1.3- 2m <input checked="" type="checkbox"/> 2.1- 3m <input type="checkbox"/> 3.1- 4m <input type="checkbox"/> > 4m</p> <p>Tree location with exposure to wind 樹木所在地點的受風情況: <input checked="" type="checkbox"/> Single tree 單獨一棵 <input type="checkbox"/> Tree with emergent canopy 樹冠層以上 <input type="checkbox"/> Edge of a group of trees 樹群邊緣 <input type="checkbox"/> Recently exposed 新近暴露 <input type="checkbox"/> Windthrow area 風拔地點 <input type="checkbox"/> Others (please specify): 其他(請說明)</p>
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TARGET (people or property potentially affected by tree/branch failure) 目標 (因樹木枝幹倒下而致可能受影響的人或財產):

Use under tree 在樹下之用途: *(multiple answers allowed 可選多於一項):*

<input checked="" type="checkbox"/> Building 建築物	<input type="checkbox"/> Parking 停車位	<input type="checkbox"/> Traffic 交通	<input type="checkbox"/> Recreation 康樂
<input type="checkbox"/> Gathering point 聚集地點	<input type="checkbox"/> Pedestrians 行人道	<input checked="" type="checkbox"/> Landscape 園藝景觀裝置	
<input type="checkbox"/> Others 其他 (please specify 請說明):			

Can target be moved 能否移除目標? Yes 是 No 否

Can use of site be restricted 可否限制場地的使用? Yes 是 No 否

Frequency of use of location 使用該地點的頻率程度:

<input type="checkbox"/> Occasional use 偶爾使用	<input checked="" type="checkbox"/> Intermittent use 間歇使用	<input type="checkbox"/> Frequent use 經常使用	<input type="checkbox"/> Constant use 恆常使用
--	---	--	--

HAZARD RATING 危害評估:	
<input type="checkbox"/> Tree or part likely to fall 樹木或枝條有可能倒下: <input type="checkbox"/> Trunk 樹幹 <input checked="" type="checkbox"/> Branch/limb 枝幹 <input type="checkbox"/> Whole 整棵	Failure potential 倒下的可能性: <input checked="" type="checkbox"/> 1=low 低 <input type="checkbox"/> 2=medium 中 <input type="checkbox"/> 3=high 高 <input type="checkbox"/> 4=severe 極高
Failure Potential + Size of Part + Target Rating = Hazard Rating 倒塌可能 + 部位大小 + 目標評估 = 危害評估 _____ 1 _____ + _____ 1 _____ + _____ 2 _____ = _____ 4 _____	Size of part 部位大小: <input checked="" type="checkbox"/> 1= < 150mm <input type="checkbox"/> 2= 150 - 450mm <input type="checkbox"/> 3= 451 - 750mm <input type="checkbox"/> 4= > 750mm
	Target rating 目標評估: <input type="checkbox"/> 1 - occasional use 偶爾使用 <input checked="" type="checkbox"/> 2 - intermittent use 間歇使用 <input type="checkbox"/> 3 - frequent use 經常使用 <input type="checkbox"/> 4 - constant use 經常使用

REMEDIAL/RISK MITIGATION MEASURES 風險緩減措施 (can tick more than one 可選多於一項):													
<input type="checkbox"/> Mitigation measures taken. 已施行的風險緩減措施 (please specify 請說明):													
<input type="checkbox"/> Mitigation measures proposed to be taken. 將會施行的風險緩減措施 (please specify 請說明):													
<input type="checkbox"/> Pruning 修剪:	<input type="checkbox"/> Remove defective parts 移去有缺陷部份 <input type="checkbox"/> Crown thinning 疏減樹冠 <input type="checkbox"/> Crown cleaning 清理樹冠												
<input type="checkbox"/> Tree Removal 移除樹木:	<input type="checkbox"/> Remove dead branches/leaves 移除枯萎枝條/樹葉 <input type="checkbox"/> Remove stub 移去殘端部份 <input type="checkbox"/> Crown reduction 縮減樹冠												
<input type="checkbox"/> Cabling/Bracing/Propping 安裝纜索或支撐物:													
<input type="checkbox"/> Move Target 移走目標:													
<input type="checkbox"/> Restrict use within fall zone 限制可能發生樹木倒下或枝條斷裂的範圍使用													
<input type="checkbox"/> Pest/ disease control 控制病蟲害:													
<input type="checkbox"/> Needs further inspection within <u>two months</u> 需於 2 個月內再次檢查樹木													
Comments 評註:	<table border="1"> <thead> <tr> <th>Anticipated date of completion 預計完成日期</th> <th>Date of completion 完成日期</th> </tr> </thead> <tbody> <tr> <td>Date:</td> <td></td> </tr> <tr> <td>Date:</td> <td></td> </tr> <tr> <td>Date:</td> <td></td> </tr> <tr> <td>Date:</td> <td></td> </tr> <tr> <td>Date:</td> <td></td> </tr> </tbody> </table>	Anticipated date of completion 預計完成日期	Date of completion 完成日期	Date:		Date:		Date:		Date:		Date:	
Anticipated date of completion 預計完成日期	Date of completion 完成日期												
Date:													
Date:													
Date:													
Date:													
Date:													
1. <i>Mangifera indica</i> is a fast growing tree normally with a large and heavy crown. 2. The tree is growing at an appropriate planter surrounded by protective fence. 3. The health condition of the tree is good at the time of inspection.													

ATTACHED INFORMATION 附夾資料:	
<input type="checkbox"/> Site plan 場地平面圖 <input type="checkbox"/> Resistograph chart 微鑽阻力測試表 <input type="checkbox"/> Others 其他 (please specify 請說明)	<input checked="" type="checkbox"/> Tree photo 樹木相片 <input type="checkbox"/> Tomography 聲納圖像

Attention Please 請注意:

1. Please submit information on the condition of the tree under assessment and the mitigation measures undertaken/proposed to be undertaken to the Tree Management Office in a timely manner for uploading onto the Tree Register at www.trees.gov.hk.
 請於有關樹木評估狀況和減低風險資料適時提交樹木管理辦事處以便上載有關資料於樹木管理辦事處網頁 www.trees.gov.hk.

2. Please read in conjunction with TMO's Guidelines on Tree Risk Assessment and Management Arrangement (Para. 4.4 refers.)
 請參閱樹木管理辦事處的樹木風險評估及排及管理指引(第 4.4 節)

Signature of Inspection Officer :
 (A Qualified Arborist)



Signature of Endorsement Officer :
 (A Managerial Staff of the Contractor)



Name of Contractor :

Yan Wing (HK) Environment Management Ltd.

Dated this :

November 3, 2011



Note 1: Severity of defects can be categorized as "Severe" (S), "Moderate" (M), "Low" (L) and "Insignificant" (O)

備註: 嚴重程度可分為「極之嚴重」(S), 「中度嚴重」(M), 「輕微嚴重」(L), 及「不嚴重」(O)

Note 2: Please refer to AFCD's NCPN No. 02 (Rev. Jun 2006) & L.TWB No. 3/2006

附註二: 請參考漁護署的自然護理作業備考第2號(2006年6月修訂)以及環境運輸及工務局的工程技術通告第3/2006號。

Photo 1.

Tree Number



Photo 2.

Overall view of the tree



Photo 3. Condition of tree crown

The tree is healthy and strong. Foliage size, density and color are normal.



Photo 4. Condition of the trunk

No decay, or wound were found on trunk.



Photo 5. Co-dominant stem with included bark and a slight cavity on the middle part of the trunk.



Photo 6. Condition of the branches
Branches are well built. No signs of pests and disease were found.



Photo 7. Condition of root flare
Soil level in the planter flare has been raised, root flare is invisible.
Rooting area was restricted by the planter.



Tree Risk Assessment Report

For

A

Aleurites moluccana 石栗

Tree - 6

At

Central Police Station Compound

Signature of Qualified Arborist :



Signature of Contract Manager :





Name of Contractor : Yan Wing (HK) Environment Management Ltd

Dated this :

3rd November 2011

FORM 2: TREE RISK ASSESSMENT FORM

表格 2: 樹木風險評估表格

General Information 基本資料

Company 公司:	Cammon Construction Ltd	Inspection officer	巡查人員: HO Kun Chung	Post 職位: Qualified Arborist
File Ref. 檔案編號:		Endorsement Officer	覆核人員: Wong Pak Hay	Post 職位: Contract Manager
Date of Inspection 巡查日期:	October 27, 2011	Last Inspection Date	上次巡查日期:	NIL
Project/Contract No. 合約/工程編號:	J3416/400.4/D00025			
Inspection Frequency 巡查週期:	Once per month			

Location Information 位置資料

Tree ID 樹木編號: Tree-6	Tree Species 樹木品種: Aleurites moluccana 石栗
Location 地點: Central Police Station Compound	Nearby Utility Post No 就近公用設施編號:
Location Types 地點類別: (multiple answers allowed 可選多於一項):	<input type="checkbox"/> Roadside Landscaped Area 路旁綠化地帶 <input type="checkbox"/> Public Park/Recreation Venue 公園/康樂場地 <input type="checkbox"/> Remote countryside 偏遠地區 <input checked="" type="checkbox"/> Vacant Government land 政府空置土地 <input type="checkbox"/> Others (please specify) 其他 (請說明)
No(s). of Trunk(s) (#) 主幹數目(#): 1	DBH of tree trunk(s) (mm) (1.3m above soil level) 胸徑離地面 1.3 米(毫米): 510
Tree Height(m) 樹高(米): 10	Tree Spread(m) 樹冠張度(米): 10
Age class 樹齡組別:	<input type="checkbox"/> young 幼 <input checked="" type="checkbox"/> mature 成熟 <input type="checkbox"/> senescent 衰老

GENERAL CONDITION 基本狀況
Foliage density 葉片密度: <input checked="" type="checkbox"/> Normal 正常 <input type="checkbox"/> Sparse 稀疏
Foliage colour 葉片顏色: <input checked="" type="checkbox"/> Normal 正常 <input type="checkbox"/> Chlorotic 萎黃 <input type="checkbox"/> Brown (signs of wilting) 褐色 (呈現枯萎徵狀)
Leaf Size 葉片大小: <input checked="" type="checkbox"/> Normal 正常 <input type="checkbox"/> Abnormal 不正常
Epicormics 水橫枝: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (please specify the location and severity 請說明位置及嚴重程度) (see note 1 見附註一)
Tree vigor 茁壯程度: <input type="checkbox"/> Good 好 <input checked="" type="checkbox"/> Average 良 <input type="checkbox"/> Poor 差
Lean 傾斜: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 Degree from vertical 傾斜角度: <input type="checkbox"/> Natural due to phototropism/self-corrected 趨光性或已自然修正 <input type="checkbox"/> Recently tilted/Unstable root-plate 新近傾斜/根基不穩
Soil cracks or cracks in structure(s) behind lean 有土壤裂縫或裂縫處於傾斜部位背後: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否

CROWN CONDITION 樹冠狀況	Severity of Defects 嚴重程度: (see note 1 見附註一)
Heavy crown load 樹冠負荷太重: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Live crown ratio 活冠比: (foliage canopy / total height of tree) 有葉的樹冠 / 樹高 <input type="checkbox"/> Low 低 < 40% <input checked="" type="checkbox"/> Medium 中 40 - 70% <input type="checkbox"/> High 高 > 70%	
Dieback twigs 枯枝: <input checked="" type="checkbox"/> < 5% crown 樹冠 <input type="checkbox"/> 5 - 20% crown 樹冠 <input type="checkbox"/> 21 - 50% crown 樹冠 <input type="checkbox"/> > 50% crown 樹冠	
Crown reduced/excessively thinned/ topped/ pollarded: 樹冠大幅減少 或削頂 或截頭 <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Asymmetric tree canopy 樹冠不對稱: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes please specify type 如有請說明種類)	
<input type="checkbox"/> Others (please specify): 其他 (請說明)	

BRANCH CONDITION 枝幹狀況 (multiple answers allowed 可選多於一項):	Severity of Defects 嚴重程度: (see note 1 見附註一)
<input type="checkbox"/> Co-dominant branches 等勢枝	
<input type="checkbox"/> Included bark 內夾樹皮	
<input type="checkbox"/> Cavities 樹洞	
<input type="checkbox"/> Cracks/splits 裂縫/裂開	
<input type="checkbox"/> Wounds/Mechanical injury 明顯傷痕/機械破損	
<input type="checkbox"/> Dead branches/Hangers 枯死/懸吊斷枝	
<input type="checkbox"/> Crooks/abrupt bends 不常規彎曲	
<input type="checkbox"/> Cross branches 疊枝	
<input type="checkbox"/> Heavy lateral limb 重側枝	
<input type="checkbox"/> Lion's tailing 獅尾 (excessive end weight on branch 枝端過重)	
<input type="checkbox"/> Bleeding/sap flow 滲液	
Parasitic/Epiphytic plants 寄生/附生植物: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes please specify type 如有請說明種類)	
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes please specify type 如有請說明種類)	
<input type="checkbox"/> Others (please specify): 其他 (請說明)	

TRUNK CONDITION 柱幹狀況 <i>(multiple answers allowed 可選多於一項)</i>	Severity of Defects 嚴重程度: <i>(see note 1 見附註一)</i>	ROOT CONDITION 根部狀況 <i>(multiple answers allowed 可選多於一項)</i>	Severity of Defects 嚴重程度: <i>(see note 1 見附註一)</i>	SITE CONDITION 樹木生長環境 <i>(multiple answers allowed 可選多於一項)</i>
<input type="checkbox"/> #1 Decay/Cavity 腐爛/樹洞(open 可見的) Length 高: _____ (mm) Width 闊: _____ (mm) Depth 深: _____ (mm)		<input type="checkbox"/> Root flare/collar not visible 根峯不現		Site disturbed by construction activities 鄰近環境受工程影響: <input type="checkbox"/> Road widening 道路擴寬 <input type="checkbox"/> Drain replacement 渠道重鋪 <input type="checkbox"/> Soil grade reduce/ increase 地表上升或下降 <input type="checkbox"/> Site clearing 地盤平整活動 <input type="checkbox"/> Soil heaving 土壤脹起 <input type="checkbox"/> Laying of new footpath 鋪設行人道 <input type="checkbox"/> Laying of underground utilities 鋪設地下設施 <input type="checkbox"/> New flower beds/ new lawn below tree 在樹下加建花園/草坪 <input type="checkbox"/> Others (please specify) 其他(請說明)
<input type="checkbox"/> #2 Decay/Cavity 腐爛/樹洞(open 可見的) Length 高: _____ (mm) Width 闊: _____ (mm) Depth 深: _____ (mm)		<input type="checkbox"/> Root rot 根部腐壞 <input type="checkbox"/> Cracks/splits 裂縫或裂開 <input type="checkbox"/> Cut/pruned roots 根部經切割或截根		Soil condition 土壤情況 <input checked="" type="checkbox"/> Sandy 沙質 <input type="checkbox"/> Clay 黏土 <input type="checkbox"/> Water logging 積水 <input type="checkbox"/> Soil compaction 土壤被擠壓
<input type="checkbox"/> #3 Decay/Cavity 腐爛/樹洞(open 可見的) Length 高: _____ (mm) Width 闊: _____ (mm) Depth 深: _____ (mm)		<input type="checkbox"/> Fungal fruiting bodies 呈現菌類子實體 <input type="checkbox"/> Dead surface roots 根部枯萎 <input type="checkbox"/> Exposed root 根部外露 <input type="checkbox"/> Mechanical injury 機械破損		Planting area paved 種植面被覆蓋或鋪設: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (restricted root growth area inside dripline 於滴水線範圍內有障礙物限制根部延伸) <input type="checkbox"/> < 25% <input checked="" type="checkbox"/> 26-50% <input type="checkbox"/> 51-75% <input type="checkbox"/> >75%
<input type="checkbox"/> Poor taper 不良漸尖生長 <input type="checkbox"/> Codominant trunks 等勢幹 <input type="checkbox"/> Included bark 內夾樹皮 <input type="checkbox"/> Cracks/splits 裂縫或裂開 <input type="checkbox"/> Abnormal bark crack 不尋常樹皮裂縫 <input type="checkbox"/> Bulge 腫脹 <input type="checkbox"/> Fungal fruiting bodies 呈現菌類子實體		<input type="checkbox"/> Termites/borers injury 白蟻或蛀心蟲蛀蝕 <input type="checkbox"/> Root-plate movement 根基移位 <input type="checkbox"/> Girdling roots 纏繞根		Width of Planting area 種植面範圍 <input type="checkbox"/> < 1.2m <input type="checkbox"/> 1.3- 2m <input checked="" type="checkbox"/> 2.1- 3m <input type="checkbox"/> 3.1- 4m <input type="checkbox"/> > 4m
<input type="checkbox"/> Wounds/Mechanical injury 明顯傷痕/機械破損		Rooting area restricted 根部伸展範圍受限制: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes pls specify type 如有請說明) <input type="checkbox"/> Drain 渠道 <input checked="" type="checkbox"/> Footpath/pavement 行人道 <input type="checkbox"/> Road curb 路沿 <input type="checkbox"/> Retaining structure 護土結構 <input type="checkbox"/> Footings or railings 地基或欄杆 <input type="checkbox"/> Others (please specify): 其他(請說明)		Tree location with exposure to wind 樹木所在地點的受風情況: <input checked="" type="checkbox"/> Single tree 單獨一棵 <input type="checkbox"/> Tree with emergent canopy 樹冠層以上 <input type="checkbox"/> Edge of a group of trees 樹群邊緣 <input type="checkbox"/> Recently exposed 新近暴露 <input type="checkbox"/> Windthrow area 風拔地點 <input type="checkbox"/> Others (please specify): 其他(請說明)
<input type="checkbox"/> Large wound/ crack/ decay on circumference 大範圍破損或裂縫或腐爛		Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes, please specify type 如有, 請說明種類) Termites		
<input type="checkbox"/> Others (please specify): 其他(請說明)		Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes, please specify type 如有, 請說明種類)		TARGET (people or property potentially affected by tree/branch failure) 目標 (因樹木枝幹倒下而致可能受影響的人或財產): Use under tree 在樹下之用途: (multiple answers allowed 可選多於一項): <input type="checkbox"/> Building 建築物 <input type="checkbox"/> Parking 停車位 <input type="checkbox"/> Traffic 交通 <input type="checkbox"/> Recreation 康樂 <input type="checkbox"/> Gathering point 聚集地點 <input type="checkbox"/> Pedestrians 行人道 <input checked="" type="checkbox"/> Landscape 園藝景觀裝置 <input type="checkbox"/> Others 其他 (please specify 請說明): Can target be moved 能否移除目標? <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 Can use of site be restricted 可否限制場地的使用? <input checked="" type="checkbox"/> Yes 是 <input type="checkbox"/> No 否 Frequency of use of location 使用該地點的頻密程度: <input type="checkbox"/> Occasional use 偶爾使用 <input checked="" type="checkbox"/> Intermittent use 間歇使用 <input type="checkbox"/> Frequent use 經常使用 <input type="checkbox"/> Constant use 恆常使用

HAZARD RATING 危害評估:	
<input type="checkbox"/> Tree or part likely to fall 樹木或枝條有可能倒下: <input type="checkbox"/> Trunk 樹幹 <input checked="" type="checkbox"/> Branch/limb 枝幹 <input type="checkbox"/> Whole 整棵	Failure potential 倒下的可能性: <input checked="" type="checkbox"/> 1=low 低 <input type="checkbox"/> 2=medium 中 <input type="checkbox"/> 3=high 高 <input type="checkbox"/> 4=severe 極高
Failure Potential + Size of Part + Target Rating = Hazard Rating 倒樹可能 + 部位大小 + 目標評估 = 危害評估 1 + 1 + 2 = 4	Size of part 部位大小: <input checked="" type="checkbox"/> 1= < 150mm <input type="checkbox"/> 2= 150 - 450mm <input type="checkbox"/> 3= 451 - 750mm <input type="checkbox"/> 4= > 750mm Target rating 目標評估: <input type="checkbox"/> 1 - occasional use 偶爾使用 <input checked="" type="checkbox"/> 2 - intermittent use 間歇使用 <input type="checkbox"/> 3 - frequent use 經常使用 <input type="checkbox"/> 4 - constant use 恆常使用

REMEDIAL/RISK MITIGATION MEASURES													
風險緩減措施 (can tick more than one 可選多於一項): <input type="checkbox"/> Mitigation measures taken. 已施行的風險緩減措施 (please specify 請說明): <input type="checkbox"/> Mitigation measures proposed to be taken. 將會施行的風險緩減措施 (please specify 請說明):													
<input type="checkbox"/> Pruning 修剪: <input type="checkbox"/> Remove defective parts 移去有缺陷部份 <input type="checkbox"/> Crown thinning 疏減樹冠 <input type="checkbox"/> Crown cleaning 清理樹冠	<input type="checkbox"/> Remove dead branches/leaves 移除枯萎枝條/樹葉 <input type="checkbox"/> Remove stub 移去殘端部份 <input type="checkbox"/> Crown reduction 縮減樹冠												
<input type="checkbox"/> Tree Removal 移除樹木: <input type="checkbox"/> Cabling/Bracing/Propping 安裝纜索或支撐物: <input type="checkbox"/> Move Target 移走目標: <input type="checkbox"/> Restrict use within fall zone 限制可能發生樹木倒下或枝條斷裂的範圍使用: <input type="checkbox"/> Pest/ disease control 控制病蟲害: <input type="checkbox"/> Needs further inspection within two months 需於2個月內再次檢查樹木	<table border="1"> <thead> <tr> <th>Anticipated date of completion 預計完成日期</th> <th>Date of completion 完成日期</th> </tr> </thead> <tbody> <tr> <td>Date:</td> <td></td> </tr> <tr> <td>Date:</td> <td></td> </tr> <tr> <td>Date:</td> <td></td> </tr> <tr> <td>Date:</td> <td></td> </tr> <tr> <td>Date:</td> <td></td> </tr> </tbody> </table>	Anticipated date of completion 預計完成日期	Date of completion 完成日期	Date:		Date:		Date:		Date:		Date:	
Anticipated date of completion 預計完成日期	Date of completion 完成日期												
Date:													
Date:													
Date:													
Date:													
Date:													
Comments 評註: 1. <i>Aleurites moluccana</i> is a flowering tree with a large and heavy crown. 2. The tree is growing at a planter which accumulates with too much top soil. 3. The cordon area keeps clean and tidy. 4. The overall health condition of the tree is fair at the time of inspection.													

ATTACHED INFORMATION 附夾資料:	
<input type="checkbox"/> Site plan 場地平面圖 <input type="checkbox"/> Resistograph chart 微鑽阻力測試表 <input type="checkbox"/> Others 其他 (please specify 請說明)	<input checked="" type="checkbox"/> Tree photo 樹木相片 <input type="checkbox"/> Tomography 聲納圖像

Attention Please 請注意:

1: Please submit information on the condition of the tree under assessment and the mitigation measures undertaken/proposed to be undertaken to the Tree Management Office in a timely manner for uploading onto the Tree Register at www.trees.gov.hk.
 請將有關樹木評估狀況和緩減措施資料適時遞交樹木管理辦事處以便上載有關資料於樹木管理辦事處網頁 www.trees.gov.hk.

2: Please read in conjunction with TMO's Guidelines on Tree Risk Assessment and Management Arrangement (Para. 4.4.1 etc.)
 請參閱樹木管理辦事處的樹木風險評估及管理工作指引(第 4.4 節)

Signature of Inspection Officer :
 (A Qualified Arborist)

[Handwritten Signature]

Signature of Endorsement Officer :
 (A Managerial Staff of the Contractor)

[Handwritten Signature]

Name of Contractor :

Yan Wing (HK) Environment Management Ltd.



Dated this :

November 3, 2011

Note 1: Severity of defects can be categorized as "Severe" (S), "Moderate" (M), "Low" (L) and "Insignificant" (I)
 附註一: 樹木缺陷可分為 "極之嚴重" (S), "中度嚴重" (M), "輕度嚴重" (L) 及 "不嚴重" (I).

Note 2: Please refer to AECD's NCPN No. 02 (Rev. Jan 2006) & ETWB No. M2006
 附註二: 請參考地政總署的自然護理作業第2號(2006年6月修訂)以及環境運輸及工務局的「植樹通告第M2006號」。

Photo 1.

Tree Number



Photo 2.

Overall view of the tree



The tree is healthy and strong with good tree form.



Photo 3. Condition of tree crown
Foliage size, density and color are normal.



Photo 4. Condition of the trunk
No decay, cavity and wound were found on the trunk



Photo 5.

Condition of root flare

Tree was surround by a raised planter, rooting area was restricted



Tree Risk Assessment Report

For

A

Aleurites moluccana 石栗

Tree - 7

At

Central Police Station Compound

Signature of Qualified Arborist : _____



Signature of Contract Manager : _____



Name of Contractor : Yan Wing (HK) Environment Management Ltd

Dated this : 3rd November 2011

FORM 2: TREE RISK ASSESSMENT FORM

表格 2: 樹木風險評估表格

General Information 基本資料

Company 公司:	Gammon Construction Ltd	Inspection officer	巡查人員: HO Kun Chung	Post 職位: Qualified Arborist
File Ref. 檔案編號:		Endorsement Officer	覆核人員: Wong Pak Hay	Post 職位: Contract Manager
Date of Inspection 巡查日期:	October 27, 2011	Last Inspection Date	上次巡查日期:	NIL
Project/Contract No 合約/工程編號:	J3416/400.4/D00025			
Inspection Frequency 巡查週期:	Once per month			

Location Information 位置資料

Tree ID 樹木編號: Tree-7	Tree Species 樹木品種: Aleurites moluccana 石栗
Location 地點: Central Police Station Compound	Nearby Utility Post No 就近公用設施編號:
Location Types 地點類別: (multiple answers allowed 可選多於一項):	<input type="checkbox"/> Roadside Landscaped Area 路旁綠化地區 <input type="checkbox"/> Public Park/Recreation Venue 公園/康樂場地 <input type="checkbox"/> Remote countryside 偏遠郊區 <input checked="" type="checkbox"/> Vacant Government land 政府空置土地 <input type="checkbox"/> Others (please specify) 其他 (請說明):
No(s). of Trunk(s) (#) 主幹數目(#): 1	DBH of tree trunk(s)(mm) (1.3m above soil level) 胸徑離地面 1.3 米(毫米): 650
Tree Height(m) 樹高(米): 13	Tree Spread(m) 樹冠闊度(米): 12
Age class 樹齡組別:	<input type="checkbox"/> young 幼 <input checked="" type="checkbox"/> mature 成熟 <input type="checkbox"/> senescent 衰老

GENERAL CONDITION 基本狀況
Foliage density 葉片密度: <input checked="" type="checkbox"/> Normal 正常 <input type="checkbox"/> Sparse 稀疏
Foliage colour 葉片顏色: <input checked="" type="checkbox"/> Normal 正常 <input type="checkbox"/> Chlorotic 萎黃 <input type="checkbox"/> Brown (signs of wilting) 褐色 (早現枯萎徵狀)
Leaf Size 葉片大小: <input checked="" type="checkbox"/> Normal 正常 <input type="checkbox"/> Abnormal 不正常
Epicormics 水橫枝: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (please specify the location and severity 請說明位置及嚴重程度) (see note 1 見附註一)
Tree vigor 茁壯程度: <input type="checkbox"/> Good 好 <input checked="" type="checkbox"/> Average 良 <input type="checkbox"/> Poor 差
Lean 傾斜: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 Degree from vertical 傾斜角度: <input type="checkbox"/> Natural due to phototropism/self-corrected 趨光性或已自然修正 <input type="checkbox"/> Recently tilted/Unstable root-plate 最近傾斜/根基不穩
Soil cracks or cracks in structure(s) behind lean 有土壤裂縫或裂縫處於傾斜部位背後: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否

CROWN CONDITION 樹冠狀況	Severity of Defects 嚴重程度: (see note 1 見附註一)
Heavy crown load 樹冠負荷太重: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Live crown ratio 活冠比: (foliage canopy / total height of tree) 有葉的樹冠 / 樹高 <input type="checkbox"/> Low 低 < 40% <input checked="" type="checkbox"/> Medium 中 40 - 70% <input type="checkbox"/> High 高 > 70%	
Dieback twigs 枯枝: <input checked="" type="checkbox"/> <5% crown 樹冠 <input type="checkbox"/> 5 - 20% crown 樹冠 <input type="checkbox"/> 21 - 50% crown 樹冠 <input type="checkbox"/> >50% crown 樹冠	
Crown reduced/excessively thinned/ topped/ pollarded: 樹冠大幅減少 或削頂 或截頭 <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Asymmetric tree canopy 樹冠不對稱: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes please specify type 如有請說明種類)	
<input type="checkbox"/> Others (please specify): 其他 (請說明)	

BRANCH CONDITION 枝幹狀況 (multiple answers allowed 可選多於一項):	Severity of Defects 嚴重程度: (see note 1 見附註一)
<input type="checkbox"/> Co-dominant branches 等勢枝	
<input type="checkbox"/> Included bark 內夾樹皮	
<input type="checkbox"/> Cavities 樹洞	
<input type="checkbox"/> Cracks/splits 裂縫/裂開	
<input type="checkbox"/> Wounds/Mechanical injury 明顯傷痕/機械破損	
<input type="checkbox"/> Dead branches/Hangers 枯死/懸吊斷枝	
<input type="checkbox"/> Crooks/abrupt bends 不常規彎曲	
<input type="checkbox"/> Cross branches 疊枝	
<input type="checkbox"/> Heavy lateral limb 重側枝	
<input type="checkbox"/> Lion's tailing 獅尾 (excessive end weight on branch 枝端過重)	
<input type="checkbox"/> Bleeding/sap flow 滲液	
Parasitic/Epiphytic plants 寄生/附生植物 <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes please specify type 如有請說明種類)	
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes please specify type 如有請說明種類)	
<input type="checkbox"/> Others (please specify): 其他 (請說明)	

<p>TRUNK CONDITION 主幹狀況</p> <p><i>(multiple answers allowed 可選多於一項):</i></p> <p><input type="checkbox"/> #1 Decay/Cavity 腐爛/樹洞(open 可見的) Length 高: _____ (mm) Width 闊: _____ (mm) Depth 深: _____ (mm)</p> <p><input type="checkbox"/> #2 Decay/Cavity 腐爛/樹洞(open 可見的) Length 高: _____ (mm) Width 闊: _____ (mm) Depth 深: _____ (mm)</p> <p><input type="checkbox"/> #3 Decay/Cavity 腐爛/樹洞(open 可見的) Length 高: _____ (mm) Width 闊: _____ (mm) Depth 深: _____ (mm)</p> <p><input type="checkbox"/> Poor taper 不良漸尖生長</p> <p><input type="checkbox"/> Codominant trunks 等勢幹</p> <p><input type="checkbox"/> Included bark 內夾樹皮</p> <p><input type="checkbox"/> Cracks/splits 裂縫或裂開</p> <p><input type="checkbox"/> Abnormal bark crack 不尋常樹皮裂縫</p> <p><input type="checkbox"/> Bulge 腫脹</p> <p><input type="checkbox"/> Fungal fruiting bodies 呈現菌類子實體</p> <p><input type="checkbox"/> Exposed dead wood 枯幹外露</p> <p><input type="checkbox"/> Wounds/Mechanical injury 明顯傷痕/機械破損</p> <p><input type="checkbox"/> Large wound/ crack/ decay on circumference 大範圍破損或裂縫或腐爛</p> <p>Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(If yes, please specify type 如有, 請說明種類)</i></p> <p>Termites</p> <p><input type="checkbox"/> Others (please specify): 其他(請說明)</p>		<p>Severity of Defects 嚴重程度: <i>(see note 1 見附註一)</i></p>	<p>ROOT CONDITION 根部狀況</p> <p><i>(multiple answers allowed 可選多於一項):</i></p> <p><input type="checkbox"/> Root flare/collar not visible 根脊不現</p> <p><input type="checkbox"/> Root rot 根部腐壞</p> <p><input type="checkbox"/> Cracks/splits 裂縫或裂開</p> <p><input type="checkbox"/> Cut/pruned roots 根部經切割或截根</p> <p><input type="checkbox"/> Fungal fruiting bodies 呈現菌類子實體</p> <p><input type="checkbox"/> Dead surface roots 根部枯萎</p> <p><input type="checkbox"/> Exposed root 根部外露</p> <p><input type="checkbox"/> Mechanical injury 機械破損</p> <p><input type="checkbox"/> Termites/borers injury 白蟻或蛀心蟲蛀蝕</p> <p><input type="checkbox"/> Root-plate movement 根基移位</p> <p><input type="checkbox"/> Girdling roots 纏繞根</p> <p>Rooting area restricted 根部伸展範圍受限制: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(If yes pls specify type 如有請說明)</i></p> <p><input type="checkbox"/> Drain 渠道</p> <p><input checked="" type="checkbox"/> Footpath/pavement 行人道</p> <p><input type="checkbox"/> Road curb 路沿</p> <p><input type="checkbox"/> Retaining structure 護土結構</p> <p><input type="checkbox"/> Footings or railings 地基或欄杆</p> <p><input type="checkbox"/> Others (please specify): 其他(請說明)</p> <p>Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(If yes, please specify type 如有, 請說明種類)</i></p> <p><input type="checkbox"/> Others (please specify): 其他(請說明)</p>		<p>Severity of Defects 嚴重程度: <i>(see note 1 見附註一)</i></p>	<p>SITE CONDITION 樹木生長環境</p> <p><i>(multiple answers allowed 可選多於一項):</i></p> <p>Site disturbed by construction activities 鄰近環境受工程影響: <input type="checkbox"/> Road widening 道路擴寬 <input type="checkbox"/> Drain replacement 渠道重鋪 <input type="checkbox"/> Soil grade reduce/ increase 地表上升或下降 <input type="checkbox"/> Site clearing 地盤平整活動 <input type="checkbox"/> Soil heaving 土壤脹起 <input type="checkbox"/> Laying of new footpath 鋪設行人道 <input type="checkbox"/> Laying of underground utilities 鋪設地下設施 <input type="checkbox"/> New flower beds/ new lawn below tree 在樹下加建花園/草坪 <input type="checkbox"/> Others (please specify) 其他(請說明)</p> <p>Soil condition 土壤情況 <input checked="" type="checkbox"/> Sandy 沙質 <input type="checkbox"/> Clay 黏土 <input type="checkbox"/> Water logging 積水 <input type="checkbox"/> Soil compaction 土壤被擠壓</p> <p>Planting area paved 種植面被覆蓋或鋪設: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(restricted root growth area inside drpline 於滴水線範圍內有障礙物限制根部延伸)</i> <input type="checkbox"/> < 25% <input checked="" type="checkbox"/> 26-50% <input type="checkbox"/> 51-75% <input type="checkbox"/> >75%</p> <p>Width of Planting area 種植面範圍 <input type="checkbox"/> < 1.2m <input type="checkbox"/> 1.3- 2m <input checked="" type="checkbox"/> 2.1- 3m <input type="checkbox"/> 3.1- 4m <input type="checkbox"/> > 4m</p> <p>Tree location with exposure to wind 樹木所在地點的受風情況: <input checked="" type="checkbox"/> Single tree 單獨一棵 <input type="checkbox"/> Tree with emergent canopy 樹冠層以上 <input type="checkbox"/> Edge of a group of trees 樹群邊緣 <input type="checkbox"/> Recently exposed 新近暴露 <input type="checkbox"/> Windthrow area 風拔地點 <input type="checkbox"/> Others (please specify): 其他(請說明)</p>
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TARGET (people or property potentially affected by tree/branch failure) 目標 (因樹和枝幹倒下而致可能受影響的人或財產):

Use under tree 在樹下之用途: *(multiple answers allowed 可選多於一項):*

<input type="checkbox"/> Building 建築物	<input type="checkbox"/> Parking 停車位	<input type="checkbox"/> Traffic 交通	<input type="checkbox"/> Recreation 康樂
<input type="checkbox"/> Gathering point 聚集地點	<input type="checkbox"/> Pedestrians 行人道	<input checked="" type="checkbox"/> Landscape 園藝景觀裝置	

Others 其他 (please specify 請說明):

Can target be moved 能否移除目標? Yes 是 No 否

Can use of site be restricted 可否限制場地的使用? Yes 是 No 否

Frequency of use of location 使用該地點的頻密程度:

<input type="checkbox"/> Occasional use 偶爾使用	<input checked="" type="checkbox"/> Intermittent use 間歇使用	<input type="checkbox"/> Frequent use 經常使用	<input type="checkbox"/> Constant use 恆常使用
--	---	--	--

HAZARD RATING 危害評估:	
<input type="checkbox"/> Tree or part likely to fall 樹木或枝條有可能倒下: <input type="checkbox"/> Trunk 樹幹 <input checked="" type="checkbox"/> Branch/limb 枝幹 <input type="checkbox"/> Whole 整棵	Failure potential 倒下的可能性: <input checked="" type="checkbox"/> 1=low 低 <input type="checkbox"/> 2=medium 中 <input type="checkbox"/> 3=high 高 <input type="checkbox"/> 4=severe 極高
Failure Potential + Size of Part + Target Rating = Hazard Rating 倒塌可能 + 部位大小 + 目標評估 = 危害評估 1 + 1 + 2 = 4	Size of part 部位大小: <input checked="" type="checkbox"/> 1= < 150mm <input type="checkbox"/> 2= 150 - 450mm <input type="checkbox"/> 3= 451 - 750mm <input type="checkbox"/> 4= > 750mm
	Target rating 目標評估: <input type="checkbox"/> 1 - occasional use 偶爾使用 <input checked="" type="checkbox"/> 2 - intermittent use 間歇使用 <input type="checkbox"/> 3 - frequent use 經常使用 <input type="checkbox"/> 4 - constant use 恆常使用

REMEDIAL/RISK MITIGATION MEASURES		
風險緩減措施 (can tick more than one 可選多於一項):		
<input type="checkbox"/> Mitigation measures taken. 已施行的風險緩減措施 (please specify 請說明):		
<input type="checkbox"/> Mitigation measures proposed to be taken. 將會施行的風險緩減措施 (please specify 請說明):	Anticipated date of completion 預計完成日期	Date of completion 完成日期
<input type="checkbox"/> Pruning 修剪:	<input type="checkbox"/> Remove defective parts 移去有缺陷部份	<input type="checkbox"/> Remove dead branches/leaves 移除枯萎枝條/樹葉
	<input type="checkbox"/> Crown thinning 疏減樹冠 <input type="checkbox"/> Crown cleaning 清理樹冠	<input type="checkbox"/> Remove stub 移去殘端部份 <input type="checkbox"/> Crown reduction 縮減樹冠
<input type="checkbox"/> Tree Removal 移除樹木:		
<input type="checkbox"/> Cabling/Bracing/Propping 安裝纜索或支撐物:		
<input type="checkbox"/> Move Target 移走目標:		
<input type="checkbox"/> Restrict use within fall zone 限制可能發生樹木倒下或枝條斷裂的範圍使用		
<input type="checkbox"/> Pest/ disease control 控制病蟲害:		
<input type="checkbox"/> Needs further inspection within two months 需於2個月內再次檢查樹木		
Comments 評註:		
1. <i>Aleurites moluccana</i> is a flowering tree with a large and heavy crown. 2. The tree is growing at a planter which accumulates with too much top soil. 3. The cordon area keeps clean and tidy. 4. The overall health condition of the tree is fair at the time of inspection.		

ATTACHED INFORMATION 附夾資料:		
<input type="checkbox"/> Site plan 場地平面圖	<input checked="" type="checkbox"/> Tree photo 樹木相片	
<input type="checkbox"/> Resistograph chart 微鑽阻力測試表	<input type="checkbox"/> Tomography 聲納圖像	
<input type="checkbox"/> Others 其他 (please specify 請說明)		

Attention Please 請注意:

1: Please submit information on the condition of the tree under assessment and the mitigation measures undertaken/proposed to be undertaken to the Tree Management Office in a timely manner for uploading onto the Tree Register at www.trees.gov.hk.
 請將有關樹木詳情數據及相關減低風險資料適時遞交樹木管理辦事處以便上載有關資料於樹木管理辦事處網頁 www.trees.gov.hk。

2: Please read in conjunction with TMO's Guidelines on Tree Risk Assessment and Management Arrangement (Para. 4.4 refers).
 請參閱樹木管理辦事處的樹木風險評估及管理指引第 4.4 節。

Signature of Inspection Officer :
 (A Qualified Arborist)

Signature of Endorsement Officer :
 (A Managerial Staff of the Contractor)

Name of Contractor :





Yan Wing (HK) Environment Management Ltd.



Dated this :

November 3, 2011

Note 1: Severity of defects can be categorized as "Severe" (S), "Moderate" (M), "Low" (L) and "Insignificant" (I).

備註一: 檢量程度可分為 "嚴重" (S), "中度嚴重" (M), "輕度嚴重" (L), 及 "不嚴重" (I).

Note 2: Please refer to APCD's NCPN No. 02 (Rev. Jun 2006) & LTWB No. 3/2006.

附註二: 請參閱環境局的自然護理作業指南第2號(2006年6月修訂)以及環境運輸及工務局的工程技術通告第3/2006號。

Photo 1.

Tree Number



Photo 2.

Overall view of the tree



Photo 3. Condition of tree trunk
No decay, cavity and wound were found on trunk.



Photo 4. Condition of root flare
Tree is growing in the raised planter. Root flare not visible.
Rooting area are restricted by the planter.



Tree Risk Assessment Report

For

A

Plumeria rubra 紅雞蛋花

Tree - 8

At

Central Police Station Compound

Signature of Qualified Arborist :



Signature of Contract Manager :





Name of Contractor : Yan Wing (HK) Environment Management Ltd

Dated this :

3rd November 2011

FORM 2: TREE RISK ASSESSMENT FORM

表格 2: 樹木風險評估表格

General Information 基本資料

Company 公司:	Gammon Construction Ltd	Inspection officer	巡查人員: HO Kun Chung	Post 職位: Qualified Arborist
File Ref. 檔案編號:		Endorsement Officer	覆核人員: Wong Pak Hay	Post 職位: Contract Manager
Date of Inspection 巡查日期:	October 27, 2011	Last Inspection Date	上次巡查日期:	NIL
Project/Contract No. 合約/工程編號:	J3416/400.4/D00025			
Inspection Frequency 巡查週期:	Once per month			

Location Information 位置資料

Tree ID 樹木編號: Tree-8	Tree Species 樹木品種: Plumeria rubra 紅雞蛋花
Location 地點: Central Police Station Compound	Nearby Utility Post No 就近公用設施編號:
Location Types 地點類別: (multiple answers allowed 可選多於一項):	<input type="checkbox"/> Roadside Landscaped Area 路旁綠化地區 <input type="checkbox"/> Public Park/Recreation Venue 公園/康樂場地 <input type="checkbox"/> Remote countryside 偏遠郊區 <input checked="" type="checkbox"/> Vacant Government land 政府空置土地 <input type="checkbox"/> Others (please specify) 其他 (請說明)
No(s). of Trunk(s) (#) 主幹數目(#): 1	DBH of tree trunk(s) (mm) (1.3m above soil level) 胸徑離地面 1.3 米(毫米): 430
Tree Height(m) 樹高(米): 7	Tree Spread(m) 樹冠闊度(米): 9
Age class 樹齡組別:	<input type="checkbox"/> young 幼 <input checked="" type="checkbox"/> mature 成熟 <input type="checkbox"/> senescent 衰老

GENERAL CONDITION 基本狀況
Foliage density 葉片密度: <input checked="" type="checkbox"/> Normal 正常 <input type="checkbox"/> Sparse 稀疏
Foliage colour 葉片顏色: <input checked="" type="checkbox"/> Normal 正常 <input type="checkbox"/> Chlorotic 萎黃 <input type="checkbox"/> Brown (signs of wilting) 褐色 (呈現枯萎徵狀)
Leaf Size 葉片大小: <input checked="" type="checkbox"/> Normal 正常 <input type="checkbox"/> Abnormal 不正常
Epicormics 水橫枝: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (please specify the location and severity 請說明位置及嚴重程度) (see note 1 見附註一)
Tree vigor 茁壯程度: <input type="checkbox"/> Good 好 <input checked="" type="checkbox"/> Average 良 <input type="checkbox"/> Poor 差
Lean 傾斜: <input checked="" type="checkbox"/> Yes 是 <input type="checkbox"/> No 否 Degree from vertical 傾斜角度: 45 <input checked="" type="checkbox"/> Natural due to phototropism/ self-corrected 趨光性或已自然修正 <input type="checkbox"/> Recently tilted/Unstable root-plate 新近傾斜/根基不穩
Soil cracks or cracks in structure(s) behind lean 有土壤裂縫或裂縫處於傾斜部位背後: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否

CROWN CONDITION 樹冠狀況	Severity of Defects 嚴重程度: (see note 1 見附註一)
Heavy crown load 樹冠負荷太重: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Live crown ratio 活冠比: (foliage canopy / total height of tree) 有葉的樹冠 / 樹高 <input type="checkbox"/> Low 低 < 40% <input checked="" type="checkbox"/> Medium 中 40 - 70% <input type="checkbox"/> High 高 > 70%	
Dieback twigs 枯枝: <input checked="" type="checkbox"/> <5% crown 樹冠 <input type="checkbox"/> 5 - 20% crown 樹冠 <input type="checkbox"/> 21 - 50% crown 樹冠 <input type="checkbox"/> >50% crown 樹冠	
Crown reduced/excessively thinned/ topped/ pollarded: 樹冠大幅減少 或削頂 或截頭 <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Asymmetric tree canopy 樹冠不對稱: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (if yes please specify type 如有請說明種類) <input type="checkbox"/> Others (please specify): 其他 (請說明)	

BRANCH CONDITION 枝幹狀況 (multiple answers allowed 可選多於一項):	Severity of Defects 嚴重程度: (see note 1 見附註一)
<input type="checkbox"/> Co-dominant branches 等勢枝	
<input type="checkbox"/> Included bark 內夾樹皮	
<input type="checkbox"/> Cavities 樹洞	
<input type="checkbox"/> Cracks/splits 裂縫/裂開	
<input type="checkbox"/> Wounds/Mechanical injury 明顯傷痕/機械破損	
<input type="checkbox"/> Dead branches/Hangers 枯死/懸吊斷枝	
<input type="checkbox"/> Crooks/abrupt bends 不常規彎曲	
<input type="checkbox"/> Cross branches 壘枝	
<input type="checkbox"/> Heavy lateral limb 重側枝	
<input type="checkbox"/> Lion's tailing 獅尾 (excessive end weight on branch 枝端過重)	
<input type="checkbox"/> Bleeding/sap flow 滲液	
Parasitic/Epiphytic plants 寄生/附生植物 <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (if yes please specify type 如有請說明種類)	
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (if yes please specify type 如有請說明種類) 請說明種類	
<input type="checkbox"/> Others (please specify): 其他 (請說明)	

<p>TRUNK CONDITION 主幹狀況</p> <p><i>(multiple answers allowed 可選多於一項):</i></p> <p><input type="checkbox"/> #1 Decay/Cavity 腐爛/樹洞(open 可見的) Length 高: _____ (mm) Width 闊: _____ (mm) Depth 深: _____ (mm)</p> <p><input type="checkbox"/> #2 Decay/Cavity 腐爛/樹洞(open 可見的) Length 高: _____ (mm) Width 闊: _____ (mm) Depth 深: _____ (mm)</p> <p><input type="checkbox"/> #3 Decay/Cavity 腐爛/樹洞(open 可見的) Length 高: _____ (mm) Width 闊: _____ (mm) Depth 深: _____ (mm)</p> <p><input type="checkbox"/> Poor taper 不良漸尖生長</p> <p><input type="checkbox"/> Codominant trunks 等勢幹</p> <p><input type="checkbox"/> Included bark 內夾樹皮</p> <p><input type="checkbox"/> Cracks/splits 裂縫或裂開</p> <p><input type="checkbox"/> Abnormal bark crack 不尋常樹皮裂縫</p> <p><input type="checkbox"/> Bulge 腫脹</p> <p><input type="checkbox"/> Fungal fruiting bodies 呈現菌類子實體</p> <p><input type="checkbox"/> Exposed dead wood 枯幹外露</p> <p><input type="checkbox"/> Wounds/Mechanical injury 明顯傷痕/機械破損</p> <p><input type="checkbox"/> Large wound/ crack/ decay on circumference 大範圍破損或裂縫或腐爛</p> <p>Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(If yes, please specify type 如有, 請說明種類)</i> Termites</p> <p><input type="checkbox"/> Others <i>(please specify):</i> 其他(請說明)</p>	<p>Severity of Defects 嚴重程度: <i>(see note 1 見附註一)</i></p>	<p>ROOT CONDITION 根部狀況</p> <p><i>(multiple answers allowed 可選多於一項):</i></p> <p><input type="checkbox"/> Root flare/collar not visible 根脊不現</p> <p><input type="checkbox"/> Root rot 根部腐爛</p> <p><input type="checkbox"/> Cracks/splits 裂縫或裂開</p> <p><input type="checkbox"/> Cut/pruned roots 根部經切割或截根</p> <p><input type="checkbox"/> Fungal fruiting bodies 呈現菌類子實體</p> <p><input type="checkbox"/> Dead surface roots 根部枯萎</p> <p><input type="checkbox"/> Exposed root 根部外露</p> <p><input type="checkbox"/> Mechanical injury 機械破損</p> <p><input type="checkbox"/> Termites/borers injury 白蟻或蛀心蟲蛀蝕</p> <p><input type="checkbox"/> Root-plate movement 根基移位</p> <p><input type="checkbox"/> Girdling roots 纏繞根</p> <p>Rooting area restricted 根部伸展範圍受限制: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(If yes pls specify type 如有請說明)</i></p> <p><input type="checkbox"/> Drain 渠道</p> <p><input checked="" type="checkbox"/> Footpath/pavement 行人道</p> <p><input type="checkbox"/> Road curb 路沿</p> <p><input type="checkbox"/> Retaining structure 護土結構</p> <p><input type="checkbox"/> Footings or railings 地基或欄杆</p> <p><input type="checkbox"/> Others <i>(please specify):</i> 其他(請說明)</p> <p>Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(If yes, please specify type 如有, 請說明種類)</i></p> <p><input type="checkbox"/> Others <i>(please specify):</i> 其他(請說明)</p>	<p>Severity of Defects 嚴重程度: <i>(see note 1 見附註一)</i></p>	<p>SITE CONDITION 樹木生長環境</p> <p><i>(multiple answers allowed 可選多於一項):</i></p> <p>Site disturbed by construction activities 鄰近環境受工程影響: <input type="checkbox"/> Road widening 道路擴寬 <input type="checkbox"/> Drain replacement 渠道重鋪 <input type="checkbox"/> Soil grade reduce/ increase 地表上升或下降 <input type="checkbox"/> Site clearing 地盤平整活動 <input type="checkbox"/> Soil heaving 土壤脹起 <input type="checkbox"/> Laying of new footpath 鋪設行人道 <input type="checkbox"/> Laying of underground utilities 鋪設地下設施 <input type="checkbox"/> New flower beds/ new lawn below tree 在樹下加建花園/草坪 <input type="checkbox"/> Others <i>(please specify)</i> 其他(請說明)</p> <p>Soil condition 土壤情況 <input checked="" type="checkbox"/> Sandy 沙質 <input type="checkbox"/> Clay 黏土 <input type="checkbox"/> Water logging 積水 <input type="checkbox"/> Soil compaction 土壤被擠壓</p> <p>Planting area paved 種植面被覆蓋或鋪設: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(restricted root growth area inside dripline 於滴水線範圍內有障礙物限制根部延伸)</i> <input type="checkbox"/> < 25% <input checked="" type="checkbox"/> 26-50% <input type="checkbox"/> 51-75% <input type="checkbox"/> >75%</p> <p>Width of Planting area 種植面範圍 <input type="checkbox"/> < 1.2m <input type="checkbox"/> 1.3- 2m <input checked="" type="checkbox"/> 2.1- 3m <input type="checkbox"/> 3.1- 4m <input type="checkbox"/> > 4m</p> <p>Tree location with exposure to wind 樹木所在地點的受風情況: <input checked="" type="checkbox"/> Single tree 單獨一棵 <input type="checkbox"/> Tree with emergent canopy 樹冠層以上 <input type="checkbox"/> Edge of a group of trees 樹群邊緣 <input type="checkbox"/> Recently exposed 新近暴露 <input type="checkbox"/> Windthrow area 風拔地點 <input type="checkbox"/> Others <i>(please specify):</i> 其他(請說明)</p>
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TARGET *(people or property potentially affected by tree/branch failure)* 目標 *(因樹木枝幹倒下而致可能受影響的人或財產):*

Use under tree 在樹下之用途: *(multiple answers allowed 可選多於一項):*

Building 建築物 Parking 停車位 Traffic 交通 Recreation 康樂

Gathering point 聚集地點 Pedestrians 行人道 Landscape 園藝景觀裝置

Others 其他 *(please specify 請說明):*

Can target be moved 能否移除目標? Yes 是 No 否

Can use of site be restricted 可否限制場地的使用? Yes 是 No 否

Frequency of use of location 使用該地點的頻率程度:

Occasional use 偶爾使用 Intermittent use 間歇使用 Frequent use 經常使用 Constant use 恆常使用

HAZARD RATING 危害評估:	
<input type="checkbox"/> Tree or part likely to fall 樹木或枝條有可能倒下: <input type="checkbox"/> Trunk 樹幹 <input checked="" type="checkbox"/> Branch/limb 枝幹 <input type="checkbox"/> Whole 整棵	Failure potential 倒下的可能性: 1=low 低 <input checked="" type="checkbox"/> 2=medium 中 <input type="checkbox"/> 3=high 高 <input type="checkbox"/> 4=severe 極高
Failure Potential + Size of Part + Target Rating = Hazard Rating 倒塌可能 + 部位大小 + 目標評估 = 危害評估 2 + 2 + 2 = 6	Size of part 部位大小: <input type="checkbox"/> 1= < 150mm <input checked="" type="checkbox"/> 2= 150 - 450mm <input type="checkbox"/> 3= 451 - 750mm <input type="checkbox"/> 4= > 750mm
	Target rating 目標評估: <input type="checkbox"/> 1 - occasional use 偶爾使用 <input checked="" type="checkbox"/> 2 - intermittent use 間歇使用 <input type="checkbox"/> 3 - frequent use 經常使用 <input type="checkbox"/> 4 - constant use 極常使用

REMEDIAL/RISK MITIGATION MEASURES 風險緩減措施 (can tick more than one 可選多於一項)*:

<input type="checkbox"/> Mitigation measures taken. 已施行的風險緩減措施 (please specify 請說明):		
<input type="checkbox"/> Mitigation measures proposed to be taken. 將會施行的風險緩減措施 (please specify 請說明):	Anticipated date of completion 預計完成日期	Date of completion 完成日期
<input type="checkbox"/> Pruning 修剪:	<input type="checkbox"/> Remove defective parts 移去有缺陷部份	<input type="checkbox"/> Remove dead branches/leaves 移除枯萎枝條/樹葉
	<input type="checkbox"/> Crown thinning 疏減樹冠	<input type="checkbox"/> Remove stub 移去殘端部份
	<input type="checkbox"/> Crown cleaning 清理樹冠	<input type="checkbox"/> Crown reduction 縮減樹冠
<input type="checkbox"/> Tree Removal 移除樹木:	Date:	
<input type="checkbox"/> Cabling/Bracing/Propping 安裝纜索或支撐物:	Date:	
<input type="checkbox"/> Move Target 移走目標:	Date:	
<input type="checkbox"/> Restrict use within fall zone 限制可能發生樹木倒下或枝條斷裂的範圍使用	Date:	
<input type="checkbox"/> Pest/ disease control 控制病蟲害:	Date:	
<input type="checkbox"/> Needs further inspection within <u>two</u> months 需於 2 個月內再次檢查樹木		
Comments 評註: 1. <i>Plumeria rubra</i> is a popular garden plant with fragrant flowers during summer and autumn. 2. The tree is growing at a planter which accumulates with too much top soil. 3. The cordon area appears to be clean and tidy. 4. The overall health condition of the tree is fair at the time of inspection.		

ATTACHED INFORMATION 附夾資料:

<input type="checkbox"/> Site plan 場地平面圖	<input checked="" type="checkbox"/> Tree photo 樹木相片
<input type="checkbox"/> Resistograph chart 微鑽阻力測試表	<input type="checkbox"/> Tomography 聲納圖像
<input type="checkbox"/> Others 其他 (please specify 請說明)	

Attention Please 請注意:

1. Please submit information on the condition of the tree under assessment and the mitigation measures undertaken/proposed to be undertaken to the Tree Management Office in a timely manner for uploading onto the Tree Register at www.trees.gov.hk.
 請將有關樹木評估狀況和減緩措施資料適時提交樹木管理辦事處以便上載有關資料於樹木管理辦事處網頁 www.trees.gov.hk。

2. Please read in conjunction with TMO's Guidelines on Tree Risk Assessment and Management Arrangement. (Para. 4.4 refers.)
 請參閱樹木管理辦事處的樹木風險評估安排及管理指引(第 4.4 節)

Signature of Inspection Officer :
 (A Qualified Arborist)

Signature of Endorsement Officer :
 (A Managerial Staff of the Contractor)

Name of Contractor : Yan Wing (HK) Environment Management Ltd.

Dated this : November 3, 2011



Note 1: Severity of defects can be categorized as "Severe" (S), "Moderate" (M), "Low" (L) and "Insignificant" (I).

附註一: 嚴重程度可分為「極之嚴重」(S), 「中度嚴重」(M), 「輕微嚴重」(L), 及「不嚴重」(I)。

Note 2: Please refer to AFCD's NCFN No. 02 (Rev. Lin 2006) & LTWH No. 3/2006.

附註二: 請參考漁護署的自然護理作業備考第2號(2006年6月修訂)以及環境運輸及工務局的工役技術通告第3/2006號。

Photo 1.

Tree Number



Photo 2.

Overall view of the tree



Photo 3. Condition of tree crown
Foliage size density and color are normal.



Photo 4. Condition of tree trunk
Cavities were found on tree trunk.



Photo 5. Condition of root flare.
Tree is growing in a raised planter, rooting area was restricted



Tree Risk Assessment Report

For

A

Araucaria cunninghamia 花旗杉

Tree - 9

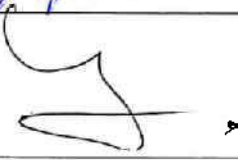
At

Central Police Station Compound

Signature of Qualified Arborist :



Signature of Contract Manager :





Name of Contractor : Yan Wing (HK) Environment Management Ltd

Dated this :

3rd November 2011

FORM 2: TREE RISK ASSESSMENT FORM

表格 2: 樹木風險評估表格

General Information 基本資料

Company 公司:	Gammon Construction Ltd	Inspection officer	巡查人員: HO Kun Chung	Post 職位: Qualified Arborist
File Ref. 檔案編號:		Endorsement Officer	覆核人員: Wong Pak Hay	Post 職位: Contract Manager
Date of Inspection 巡查日期:	October 27, 2011	Last Inspection Date	上次巡查日期:	NIL
Project/Contract No. 合約/工程編號:	J3416/400.4/D00025			
Inspection Frequency 巡查週期:	Once per month			

Location Information 位置資料

Tree ID 樹木編號: Tree-9	Tree Species 樹木品種: Araucaria cunninghamia 花旗杉
Location 地點: Central Police Station Compound	Nearby Utility Post No 就近公用設施編號:
Location Types 地點類別: (multiple answers allowed 可選多於一項):	<input type="checkbox"/> Roadside Landscaped Area 路旁綠化地區 <input type="checkbox"/> Public Park/Recreation Venue 公園/康樂場地 <input type="checkbox"/> Remote countryside 偏遠郊區 <input checked="" type="checkbox"/> Vacant Government land 政府空置土地 <input type="checkbox"/> Others (please specify) 其他 (請說明):
No(s). of Trunk(s) (#) 主幹數目(#): 1	DBH of tree trunk(s)(mm) (1.3m above soil level) 胸徑離地面 1.3 米(毫米): 230
Tree Height(m) 樹高(米): 13	Tree Spread(m) 樹冠闊度(米): 5
Age class 樹齡組別:	<input type="checkbox"/> young 幼 <input checked="" type="checkbox"/> mature 成熟 <input type="checkbox"/> senescent 衰老

GENERAL CONDITION 基本狀況
Foliage density 葉片密度: <input checked="" type="checkbox"/> Normal 正常 <input type="checkbox"/> Sparse 稀疏
Foliage colour 葉片顏色: <input checked="" type="checkbox"/> Normal 正常 <input type="checkbox"/> Chlorotic 萎黃 <input type="checkbox"/> Brown (signs of wilting) 褐色 (呈現枯萎徵狀)
Leaf Size 葉片大小: <input checked="" type="checkbox"/> Normal 正常 <input type="checkbox"/> Abnormal 不正常
Epicormics 水橫枝: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (please specify the location and severity 請說明位置及嚴重程度) (see note 1 見附註一)
Tree vigor 莖壯程度: <input type="checkbox"/> Good 好 <input checked="" type="checkbox"/> Average 良 <input type="checkbox"/> Poor 差
Lean 傾斜: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 Degree from vertical 傾斜角度: <input type="checkbox"/> Natural due to phototropism/self-corrected 趨光性或已自然修正 <input type="checkbox"/> Recently tilted/Unstable root-plate 最近傾斜/根基不穩
Soil cracks or cracks in structure(s) behind lean 有土壤裂縫或裂縫處於傾斜部位背後: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否

CROWN CONDITION 樹冠狀況	Severity of Defects 嚴重程度: (see note 1 見附註一)
Heavy crown load 樹冠負荷太重: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Live crown ratio 活冠比: (foliage canopy / total height of tree) 有葉的樹冠 / 樹高 <input type="checkbox"/> Low 低 < 40% <input checked="" type="checkbox"/> Medium 中 40 - 70% <input type="checkbox"/> High 高 > 70%	
Dieback twigs 枯枝: <input checked="" type="checkbox"/> <5% crown 樹冠 <input type="checkbox"/> 5 - 20% crown 樹冠 <input type="checkbox"/> 21 - 50% crown 樹冠 <input type="checkbox"/> >50% crown 樹冠	
Crown reduced/excessively thinned/ topped/ pollarded: 樹冠大幅減少 或削頂 或截頭 <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Asymmetric tree canopy 樹冠不對稱: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes please specify type 如有請說明種類)	
<input type="checkbox"/> Others (please specify): 其他(請說明)	

BRANCH CONDITION 枝幹狀況 (multiple answers allowed 可選多於一項):	Severity of Defects 嚴重程度: (see note 1 見附註一)
<input type="checkbox"/> Co-dominant branches 等勢枝	
<input type="checkbox"/> Included bark 內夾樹皮	
<input type="checkbox"/> Cavities 樹洞	
<input type="checkbox"/> Cracks/splits 裂縫/裂開	
<input type="checkbox"/> Wounds/Mechanical injury 明顯傷痕/機械破損	
<input type="checkbox"/> Dead branches/Hangers 枯死/懸掛樹枝	
<input type="checkbox"/> Crooks/abrupt bends 不常規彎曲	
<input type="checkbox"/> Cross branches 疊枝	
<input type="checkbox"/> Heavy lateral limb 重側枝	
<input type="checkbox"/> Lion's tailing 獅尾 (excessive end weight on branch 枝端過重)	
<input type="checkbox"/> Bleeding/sap flow 滲液	
Parasitic/Epiphytic plants 寄生/附生植物 <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes please specify type 如有請說明種類)	
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes please specify type 如有請說明種類)	
<input type="checkbox"/> Others (please specify): 其他(請說明)	

TRUNK CONDITION 主幹狀況	Severity of Defects 嚴重程度: (see note 1 見附註一)
(multiple answers allowed 可選多於一項):	
<input type="checkbox"/> #1 Decay/Cavity 腐爛/樹洞(open 可見的) Length 高: _____ (mm) Width 闊: _____ (mm) Depth 深: _____ (mm)	
<input type="checkbox"/> #2 Decay/Cavity 腐爛/樹洞(open 可見的) Length 高: _____ (mm) Width 闊: _____ (mm) Depth 深: _____ (mm)	
<input type="checkbox"/> #3 Decay/Cavity 腐爛/樹洞(open 可見的) Length 高: _____ (mm) Width 闊: _____ (mm) Depth 深: _____ (mm)	
<input type="checkbox"/> Poor taper 不良漸尖生長	
<input type="checkbox"/> Codominant trunks 等勢幹	
<input type="checkbox"/> Included bark 內夾樹皮	
<input type="checkbox"/> Cracks/splits 裂縫或裂開	
<input type="checkbox"/> Abnormal bark crack 不尋常樹皮裂縫	
<input type="checkbox"/> Bulge 腫脹	
<input type="checkbox"/> Fungal fruiting bodies 呈現菌類子實體	
<input type="checkbox"/> Exposed dead wood 枯幹外露	
<input type="checkbox"/> Wounds/Mechanical injury 明顯傷痕/機械破損	
<input type="checkbox"/> Large wound/ crack/ decay on circumference 大範圍破損或裂縫或腐爛	
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes, please specify type 如有, 請說明種類)	
Termites	
<input type="checkbox"/> Others (please specify): 其他(請說明)	

ROOT CONDITION 根系統狀況	Severity of Defects 嚴重程度: (see note 1 見附註一)
(multiple answers allowed 可選多於一項):	
<input type="checkbox"/> Root flare/collar not visible 根脊不現	
<input type="checkbox"/> Root rot 根部腐壞	
<input type="checkbox"/> Cracks/splits 裂縫或裂開	
<input type="checkbox"/> Cut/pruned roots 根部經切割或截根	
<input type="checkbox"/> Fungal fruiting bodies 呈現菌類子實體	
<input type="checkbox"/> Dead surface roots 根部枯萎	
<input type="checkbox"/> Exposed root 根部外露	
<input type="checkbox"/> Mechanical injury 機械破損	
<input type="checkbox"/> Termites/borers injury 白蟻或蛀心蟲蛀蝕	
<input type="checkbox"/> Root-plate movement 根基移位	
<input type="checkbox"/> Girdling roots 纏繞根	
Rooting area restricted 根部伸展範圍受限制: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes pls specify type 如有請說明)	
<input type="checkbox"/> Drain 渠道	
<input checked="" type="checkbox"/> Footpath/pavement 行人道	
<input type="checkbox"/> Road curb 路脩	
<input type="checkbox"/> Retaining structure 護土結構	
<input type="checkbox"/> Footings or railings 地基或欄杆	
<input type="checkbox"/> Others (please specify): 其他(請說明)	
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes, please specify type 如有, 請說明種類)	
<input type="checkbox"/> Others (please specify): 其他(請說明)	

SITE CONDITION 樹木生長環境
(multiple answers allowed 可選多於一項):
Site disturbed by construction activities 鄰近環境受工程影響:
<input type="checkbox"/> Road widening 道路擴寬
<input type="checkbox"/> Drain replacement 渠道重鋪
<input type="checkbox"/> Soil grade reduce/ increase 地表上升或下降
<input type="checkbox"/> Site clearing 地盤平整活動
<input type="checkbox"/> Soil heaving 土壤脹起
<input type="checkbox"/> Laying of new footpath 鋪設行人道
<input type="checkbox"/> Laying of underground utilities 鋪設地下設施
<input type="checkbox"/> New flower beds/ new lawn below tree 在樹下加建花園/草坪
<input type="checkbox"/> Others (please specify) 其他(請說明)
Soil condition 土壤情況
<input checked="" type="checkbox"/> Sandy 沙質
<input type="checkbox"/> Clay 黏土
<input type="checkbox"/> Water logging 積水
<input type="checkbox"/> Soil compaction 土壤被擠壓
Planting area paved 種植面被覆蓋或鋪設: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (restricted root growth area inside dripline 於滴水線範圍內有障礙物限 制根部延伸)
<input type="checkbox"/> < 25% <input checked="" type="checkbox"/> 26-50%
<input type="checkbox"/> 51-75% <input type="checkbox"/> >75%
Width of Planting area 種植面範圍
<input type="checkbox"/> < 1.2m <input type="checkbox"/> 1.3- 2m
<input checked="" type="checkbox"/> 2.1- 3m <input type="checkbox"/> 3.1- 4m
<input type="checkbox"/> > 4m
Tree location with exposure to wind 樹木所在地點的受風情況:
<input checked="" type="checkbox"/> Single tree 單獨一棵
<input type="checkbox"/> Tree with emergent canopy 樹冠層以上
<input type="checkbox"/> Edge of a group of trees 樹群邊緣
<input type="checkbox"/> Recently exposed 新近暴露
<input type="checkbox"/> Windthrow area 風拔地點
<input type="checkbox"/> Others (please specify): 其他(請說明)

TARGET (people or property potentially affected by tree/branch failure) 目標 (因樹木/枝幹倒下而致可能受影響的人或財產):
Use under tree 在樹下之用途: (multiple answers allowed 可選多於一項):
<input type="checkbox"/> Building 建築物 <input type="checkbox"/> Parking 停車位 <input type="checkbox"/> Traffic 交通 <input type="checkbox"/> Recreation 康樂
<input type="checkbox"/> Gathering point 聚集地點 <input type="checkbox"/> Pedestrians 行人道 <input checked="" type="checkbox"/> Landscape 園藝景觀裝置
<input type="checkbox"/> Others 其他 (please specify 請說明):
Can target be moved 能否移除目標? <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否
Can use of site be restricted 可否限制場地的使用? <input checked="" type="checkbox"/> Yes 是 <input type="checkbox"/> No 否
Frequency of use of location 使用該地點的頻密程度:
<input type="checkbox"/> Occasional use 偶爾使用 <input checked="" type="checkbox"/> Intermittent use 間歇使用 <input type="checkbox"/> Frequent use 經常使用 <input type="checkbox"/> Constant use 恆常使用

HAZARD RATING 危害評估:	
<input type="checkbox"/> Tree or part likely to fall 樹木或枝條有可能倒下: <input type="checkbox"/> Trunk 樹幹 <input checked="" type="checkbox"/> Branch/limb 枝幹 <input type="checkbox"/> Whole 整棵	Failure potential 倒下的可能性: <input checked="" type="checkbox"/> 1=low 低 <input type="checkbox"/> 2=medium 中 <input type="checkbox"/> 3=high 高 <input type="checkbox"/> 4=severe 極高
Failure Potential + Size of Part + Target Rating = Hazard Rating 倒塌可能 + 部位大小 + 目標評估 = 危害評估 1 + 2 + 2 = 5	Size of part 部位大小: <input type="checkbox"/> 1= < 150mm <input checked="" type="checkbox"/> 2= 150 - 450mm <input type="checkbox"/> 3= 451 - 750mm <input type="checkbox"/> 4= > 750mm
	Target rating 目標評估: <input type="checkbox"/> 1 - occasional use 偶爾使用 <input checked="" type="checkbox"/> 2 - intermittent use 間歇使用 <input type="checkbox"/> 3 - frequent use 經常使用 <input type="checkbox"/> 4 - constant use 恆常使用

REMEDIAL/RISK MITIGATION MEASURES 風險緩減措施 (can tick more than one 可選多於一項):															
<input type="checkbox"/> Mitigation measures taken. 已施行的風險緩減措施 (please specify 請說明): <input type="checkbox"/> Mitigation measures proposed to be taken 將會施行的風險緩減措施 (please specify 請說明):	<table border="1"> <tr> <td>Anticipated date of completion 預計完成日期</td> <td>Date of completion 完成日期</td> </tr> <tr> <td>Date:</td> <td></td> </tr> <tr> <td>Date:</td> <td></td> </tr> <tr> <td>Date:</td> <td></td> </tr> <tr> <td>Date:</td> <td></td> </tr> <tr> <td>Date:</td> <td></td> </tr> <tr> <td>Date:</td> <td></td> </tr> </table>	Anticipated date of completion 預計完成日期	Date of completion 完成日期	Date:		Date:		Date:		Date:		Date:		Date:	
Anticipated date of completion 預計完成日期	Date of completion 完成日期														
Date:															
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Date:															
Date:															
<input type="checkbox"/> Pruning 修剪: <input type="checkbox"/> Remove defective parts 移去有缺陷部份 <input type="checkbox"/> Crown thinning 疏減樹冠 <input type="checkbox"/> Crown cleaning 清理樹冠	<input type="checkbox"/> Remove dead branches/leaves 移除枯萎枝條/樹葉 <input type="checkbox"/> Remove stub 移去殘端部份 <input type="checkbox"/> Crown reduction 縮減樹冠														
<input type="checkbox"/> Tree Removal 移除樹木: <input type="checkbox"/> Cabling/Bracing/Propping 安裝纜索或支撐物: <input type="checkbox"/> Move Target 移走目標: <input type="checkbox"/> Restrict use within fall zone 限制可能發生樹木倒下或枝條斷裂的範圍使用: <input type="checkbox"/> Pest/ disease control 控制病蟲害: <input type="checkbox"/> Needs further inspection within two months 需於2個月內再次檢查樹木															
Comments 評註: 1. <i>Araucaria cunninghamia</i> is a large rainforest conifer and a very good tropical plant. 2. The tree is growing in a planter which accumulates with too much top soil. 3. Some under-growth and rubbish appear at the planter. 4. An introductory sign is being displayed in front of the cordon area. 5. The overall health condition of the tree is fair at the time of inspection.															

ATTACHED INFORMATION 附夾資料:	
<input type="checkbox"/> Site plan 場地平面圖 <input type="checkbox"/> Resistograph chart 微鑽阻力測試表 <input type="checkbox"/> Others 其他 (please specify 請說明)	<input checked="" type="checkbox"/> Tree photo 樹木相片 <input type="checkbox"/> Tomography 聲納圖像

Attention Please 請注意:

1. Please submit information on the condition of the tree under assessment and the mitigation measures undertaken/proposed to be undertaken to the Tree Management Office in a timely manner for uploading onto the Tree Register at www.trees.gov.hk.
請將有關樹木評估狀況及風險緩減措施資料儘時遞交樹木管理辦事處以便上載有關資料於樹木管理辦事處網頁 www.trees.gov.hk

2. Please read in conjunction with TMO's Guidelines on Tree Risk Assessment and Management Arrangement (Part 4.4 refers).
請參閱樹木管理辦事處的樹木風險評估安排及管理指引(第 4.4 節)

Signature of Inspection Officer :
(A Qualified Arborist)

[Handwritten Signature]

Signature of Endorsement Officer :
(A Managerial Staff of the Contractor)

[Handwritten Signature]

Name of Contractor :

Yan Wing (HK) Environment Management Ltd.



Dated this :

November 3, 2011

Note 1: Severity of defects can be categorized as "Severe" (S), "Moderate" (M), "Low" (L) and "Insignificant" (I).

附註 1: 嚴重程度可分為「極嚴重」(S), 「中度嚴重」(M), 「輕度嚴重」(L) 及「不嚴重」(I)。

Note 2: Please refer to AFCD's NCPN No. 02 (Rev. Jan 2006) & ETWB No. V2006

附註 2: 請參考漁護署的自然護理工作編第2號(2006年6月修訂)及樹木遺留及上落的工作指南第V2006號。

Photo 1.

Tree Number



Photo 2.

Overall view of the tree



Photo 3. Condition of the tree crown
Foliage size, density and color are normal.



Photo 4. Condition of the trunk
There are some signs of insects attack on trunk.



Photo 5. Condition of root flare.
Root flare invisible.
Decayed barks were found at the base.



Tree Risk Assessment Report

For

A

Dracaena marginata 馬尾鐵

Tree - 11

At

Central Police Station Compound

Signature of Qualified Arborist : _____



Signature of Contract Manager : _____



Name of Contractor : Yan Wing (HK) Environment Management Ltd

Dated this :

3rd November 2011

FORM 2: TREE RISK ASSESSMENT FORM

表格 2: 樹木風險評估表格

General Information 基本資料

Company 公司:	Gammon Construction Ltd	Inspection officer	巡查人員: HO Kun Chung	Post 職位: Qualified Arborist
File Ref. 檔案編號:		Endorsement Officer	覆核人員: Wong Pak Hay	Post 職位: Contract Manager
Date of Inspection 巡查日期:	October 27, 2011	Last Inspection Date	上次巡查日期:	NIL
Project/Contract No 合約/工程編號:	J3416/400.4/D00025			
Inspection Frequency 巡查週期:	Once per month			

Location Information 位置資料

Tree ID 樹木編號: Tree-11	Tree Species 樹木品種: Dracaena marginata 馬尾鐵
Location 地點: Central Police Station Compound	Nearby Utility Post No 就近公用設施編號:
Location Types 地點類別: (multiple answers allowed 可選多於一項):	<input type="checkbox"/> Roadside Landscaped Area 路旁綠化地區 <input type="checkbox"/> Public Park/Recreation Venue 公園/康樂場地 <input type="checkbox"/> Remote countryside 偏遠郊區 <input checked="" type="checkbox"/> Vacant Government land 政府空置土地 <input type="checkbox"/> Others (please specify) 其他 (請說明):
No(s). of Trunk(s) (#) 主幹數目(#): 1	DBH of tree trunk(s) (mm) (1.3m above soil level) 胸徑離地面 1.3 米(毫米): #1 170 #2 #3 #4 #5 Aggregated DBH (mm) 總胸徑(毫米): 170 (see note 2 見附註二)
Tree Height(m) 樹高(米): 8	Tree Spread(m) 樹冠闊度(米): 2
Age class 樹齡組別:	<input type="checkbox"/> young 幼 <input checked="" type="checkbox"/> mature 成熟 <input type="checkbox"/> senescent 衰老

GENERAL CONDITION 基本狀況
Foliage density 葉片密度: <input checked="" type="checkbox"/> Normal 正常 <input type="checkbox"/> Sparse 稀疏
Foliage colour 葉片顏色: <input checked="" type="checkbox"/> Normal 正常 <input type="checkbox"/> Chlorotic 萎黃 <input type="checkbox"/> Brown (signs of wilting) 褐色 (呈現枯萎徵狀)
Leaf Size 葉片大小: <input checked="" type="checkbox"/> Normal 正常 <input type="checkbox"/> Abnormal 不正常
Epicormics 水橫枝: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(please specify the location and severity 請說明位置及嚴重程度) (see note 1 見附註一)</i>
Tree vigor 茁壯程度: <input type="checkbox"/> Good 好 <input checked="" type="checkbox"/> Average 良 <input type="checkbox"/> Poor 差
Lean 傾斜 <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 Degree from vertical 傾斜角度: <input type="checkbox"/> Natural due to phototropism/ self-corrected 趨光性或已自然修正 <input type="checkbox"/> Recently tilted/Unstable root-plate 新近傾斜/根基不穩
Soil cracks or cracks in structure(s) behind lean 有土壤裂縫或裂縫處於傾斜部位背後: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否

CROWN CONDITION 樹冠狀況	Severity of Defects 嚴重程度: <i>(see note 1 見附註一)</i>
Heavy crown load 樹冠負荷太重: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Live crown ratio 活冠比: (foliage canopy / total height of tree) 有葉的樹冠 / 樹高 <input type="checkbox"/> Low 低 < 40% <input checked="" type="checkbox"/> Medium 中 40 - 70% <input type="checkbox"/> High 高 > 70%	
Dieback twigs 枯枝: <input type="checkbox"/> <5% crown 樹冠 <input checked="" type="checkbox"/> 5 - 20% crown 樹冠 <input type="checkbox"/> 21 - 50% crown 樹冠 <input type="checkbox"/> >50% crown 樹冠	
Crown reduced/excessively thinned/ topped/ pollarded: 樹冠大幅減少 或削頂 或截頭 <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Asymmetric tree canopy 樹冠不對稱: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否	
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(If yes please specify type 如有請說明種類)</i>	
<input type="checkbox"/> Others (please specify): 其他(請說明)	

BRANCH CONDITION 枝幹狀況 (multiple answers allowed 可選多於一項):	Severity of Defects 嚴重程度: <i>(see note 1 見附註一)</i>
<input type="checkbox"/> Co-dominant branches 等勢枝	
<input type="checkbox"/> Included bark 內夾樹皮	
<input type="checkbox"/> Cavities 樹洞	
<input type="checkbox"/> Cracks/splits 裂縫/裂開	
<input type="checkbox"/> Wounds/Mechanical injury 明顯傷痕/機械破損	
<input type="checkbox"/> Dead branches/Hangers 枯死/懸吊斷枝	
<input type="checkbox"/> Crooks/abrupt bends 不常規彎曲	
<input type="checkbox"/> Cross branches 疊枝	
<input type="checkbox"/> Heavy lateral limb 重側枝	
<input type="checkbox"/> Lion's tailing 獅尾 <i>(excessive end weight on branch 枝端過重)</i>	
<input type="checkbox"/> Bleeding/sap flow 滲液	
Parasitic/Epiphytic plants 寄生/附生植物 <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(If yes please specify type 如有請說明種類)</i>	
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 <i>(If yes please specify type 如有請說明種類)</i>	
<input type="checkbox"/> Others (please specify): 其他(請說明)	

TRUNK CONDITION 主幹狀況 (multiple answers allowed 可選多於一項):	Severity of Defects 嚴重程度: (see note 1 見附註一)	ROOT CONDITION 根部狀況 (multiple answers allowed 可選多於一項):	Severity of Defects 嚴重程度: (see note 1 見附註一)	SITE CONDITION 樹木生長環境 (multiple answers allowed 可選多於一項):
<input type="checkbox"/> #1 Decay/Cavity 腐爛/樹洞(open 可見的) Length 高: _____ (mm) Width 闊: _____ (mm) Depth 深: _____ (mm)		<input type="checkbox"/> Root flare/collar not visible 根脊不現		Site disturbed by construction activities 鄰近環境受工程影響:
<input type="checkbox"/> #2 Decay/Cavity 腐爛/樹洞(open 可見的) Length 高: _____ (mm) Width 闊: _____ (mm) Depth 深: _____ (mm)		<input type="checkbox"/> Root rot 根部腐壞 <input type="checkbox"/> Cracks/splits 裂縫或裂開 <input type="checkbox"/> Cut/pruned roots 根部經切割或截根		<input type="checkbox"/> Road widening 道路擴寬 <input type="checkbox"/> Drain replacement 渠道重鋪 <input type="checkbox"/> Soil grade reduce/ increase 地表上升或下降
<input type="checkbox"/> #3 Decay/Cavity 腐爛/樹洞(open 可見的) Length 高: _____ (mm) Width 闊: _____ (mm) Depth 深: _____ (mm)		<input type="checkbox"/> Fungal fruiting bodies 呈現菌類子實體		<input type="checkbox"/> Site clearing 地盤平整活動 <input type="checkbox"/> Soil heaving 土壤脹起 <input type="checkbox"/> Laying of new footpath 鋪設行人道
<input type="checkbox"/> Poor taper 不良漸尖生長 <input type="checkbox"/> Codominant trunks 等勢幹 <input type="checkbox"/> Included bark 內夾樹皮 <input type="checkbox"/> Cracks/splits 裂縫或裂開		<input type="checkbox"/> Dead surface roots 根部枯萎 <input type="checkbox"/> Exposed root 根部外露 <input type="checkbox"/> Mechanical injury 機械破損		<input type="checkbox"/> Laying of underground utilities 鋪設地下設施 <input type="checkbox"/> New flower beds/ new lawn below tree 在樹下加建花園/草坪 <input type="checkbox"/> Others (please specify) 其他(請說明)
<input type="checkbox"/> Abnormal bark crack 不尋常樹皮裂縫		<input type="checkbox"/> Termites/borers injury 白蟻或蛀心蟲蛀蝕		Soil condition 土壤情況 <input checked="" type="checkbox"/> Sandy 沙質 <input type="checkbox"/> Clay 黏土
<input type="checkbox"/> Bulge 腫脹		<input type="checkbox"/> Root-plate movement 根基移位		<input type="checkbox"/> Water logging 積水 <input type="checkbox"/> Soil compaction 土壤被擠壓
<input type="checkbox"/> Fungal fruiting bodies 呈現菌類子實體		<input type="checkbox"/> Girdling roots 纏繞根		Planting area paved 種植面被覆蓋或鋪設:
<input type="checkbox"/> Exposed dead wood 枯幹外露		Rooting area restricted 根部伸展範圍受限制: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes pls specify type 如有請說明)		<input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (restricted root growth area inside dripline 於滴水線範圍內有障礙物限制根部延伸)
<input type="checkbox"/> Wounds/Mechanical injury 明顯傷痕/機械破損		<input type="checkbox"/> Drain 渠道 <input checked="" type="checkbox"/> Footpath/pavement 行人道 <input type="checkbox"/> Road curb 路肩 <input type="checkbox"/> Retaining structure 護土結構		<input type="checkbox"/> < 25% <input checked="" type="checkbox"/> 26-50% <input type="checkbox"/> 51-75% <input type="checkbox"/> >75%
<input type="checkbox"/> Large wound/ crack/ decay on circumference 大範圍破損或裂縫或腐爛		<input type="checkbox"/> Footings or railings 地基或欄杆 <input type="checkbox"/> Others (please specify): 其他(請說明)		Width of Planting area 種植面範圍
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes, please specify type 如有, 請說明種類)		<input type="checkbox"/> Footings or railings 地基或欄杆 <input type="checkbox"/> Others (please specify): 其他(請說明)		<input type="checkbox"/> < 1.2m <input checked="" type="checkbox"/> 1.3- 2m <input type="checkbox"/> 2.1- 3m <input type="checkbox"/> 3.1- 4m <input type="checkbox"/> > 4m
Termites <input type="checkbox"/> Others (please specify): 其他(請說明)		Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes, please specify type 如有, 請說明種類)		Tree location with exposure to wind 樹木所在地點的受風情況: <input checked="" type="checkbox"/> Single tree 單獨一棵 <input type="checkbox"/> Tree with emergent canopy 樹冠層以上 <input type="checkbox"/> Edge of a group of trees 樹群邊緣 <input type="checkbox"/> Recently exposed 新近暴露 <input type="checkbox"/> Windthrow area 風拔地點 <input type="checkbox"/> Others (please specify): 其他(請說明)
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes, please specify type 如有, 請說明種類)		<input type="checkbox"/> Others (please specify): 其他(請說明)		<input type="checkbox"/> < 25% <input checked="" type="checkbox"/> 26-50% <input type="checkbox"/> 51-75% <input type="checkbox"/> >75%
Signs of pests and disease 呈現病蟲害徵狀: <input type="checkbox"/> Yes 是 <input checked="" type="checkbox"/> No 否 (If yes, please specify type 如有, 請說明種類)		<input type="checkbox"/> Others (please specify): 其他(請說明)		<input type="checkbox"/> < 1.2m <input checked="" type="checkbox"/> 1.3- 2m <input type="checkbox"/> 2.1- 3m <input type="checkbox"/> 3.1- 4m <input type="checkbox"/> > 4m
<input type="checkbox"/> Others (please specify): 其他(請說明)		<input type="checkbox"/> Others (please specify): 其他(請說明)		<input type="checkbox"/> < 25% <input checked="" type="checkbox"/> 26-50% <input type="checkbox"/> 51-75% <input type="checkbox"/> >75%

TARGET (people or property potentially affected by tree/branch failure) 目標 (因樹木/枝幹倒下而致可能受影響的人或財產):

Use under tree 在樹下之用途: (multiple answers allowed 可選多於一項):

Building 建築物 Parking 停車位 Traffic 交通 Recreation 康樂
 Gathering point 聚集地點 Pedestrians 行人道 Landscape 園藝景觀裝置
 Others 其他 (please specify 請說明):

Can target be moved 能否移除目標? Yes 是 No 否

Can use of site be restricted 可否限制場地的使用? Yes 是 No 否

Frequency of use of location 使用該地點的頻密程度:

Occasional use 偶爾使用 Intermittent use 間歇使用 Frequent use 經常使用 Constant use 恆常使用

<input type="checkbox"/> Tree or part likely to fall 樹木或枝條有可能倒下: <input type="checkbox"/> Trunk 樹幹 <input checked="" type="checkbox"/> Branch/limb 枝幹 <input type="checkbox"/> Whole 整棵	Failure potential 倒下的可能性: <input type="checkbox"/> 1=low 低 <input checked="" type="checkbox"/> 2=medium 中 <input type="checkbox"/> 3=high 高 <input type="checkbox"/> 4=severe 極高
Failure Potential + Size of Part + Target Rating = Hazard Rating 倒塌可能 + 部位大小 + 目標評估 = 危害評估 _____ 2 _____ + _____ 2 _____ + _____ 3 _____ = _____ 7 _____	Size of part 部位大小: <input type="checkbox"/> 1= < 150mm <input checked="" type="checkbox"/> 2= 150 - 450mm <input type="checkbox"/> 3= 451 - 750mm <input type="checkbox"/> 4= > 750mm
	Target rating 目標評估: <input type="checkbox"/> 1 - occasional use 偶爾使用 <input type="checkbox"/> 2 - intermittent use 間歇使用 <input checked="" type="checkbox"/> 3 - frequent use 經常使用 <input type="checkbox"/> 4 - constant use 恆常使用

REMEDIAL/RISK MITIGATION MEASURES
 風險緩減措施 (can tick more than one 可選多於一項)*:

<input type="checkbox"/> Mitigation measures taken. 已施行的風險緩減措施 (please specify 請說明):	Anticipated date of completion 預計完成日期 Date: _____ Date: _____ Date: _____ Date: _____ Date: _____	Date of completion 完成日期 _____ _____ _____ _____ _____
<input type="checkbox"/> Mitigation measures proposed to be taken. 將會施行的風險緩減措施 (please specify 請說明):		
<input type="checkbox"/> Pruning 修剪: <input type="checkbox"/> Remove defective parts 移去有缺陷部份 <input type="checkbox"/> Crown thinning 疏減樹冠 <input type="checkbox"/> Crown cleaning 清理樹冠	<input type="checkbox"/> Remove dead branches/leaves 移除枯萎枝條/樹葉 <input type="checkbox"/> Remove stub 移去殘端部份 <input type="checkbox"/> Crown reduction 縮減樹冠	
<input type="checkbox"/> Tree Removal 移除樹木: <input type="checkbox"/> Cabling/Bracing/Propping 安裝纜索或支撐物: <input type="checkbox"/> Move Target 移走目標: <input type="checkbox"/> Restrict use within fall zone 限制可能發生樹木倒下或枝條斷裂的範圍使用 <input type="checkbox"/> Pest/ disease control 控制病蟲害: <input type="checkbox"/> Needs further inspection within <u>two</u> months 需於 2 個月內再次檢查樹木		
Comments 評註: 1. <i>Dracaena marginata</i> is a tropical tree with multi-stem. 2. The tree is growing at a narrow planter close to the door of the building. 3. There are some dead branches on the upper trunk of the tree. 4. The overall health condition of the tree is fair at the time of inspection.		

ATTACHED INFORMATION 附夾資料:

<input type="checkbox"/> Site plan 場地平面圖	<input checked="" type="checkbox"/> Tree photo 樹木相片
<input type="checkbox"/> Resistograph chart 微鑽阻力測試表	<input type="checkbox"/> Tomography 聲納圖像
<input type="checkbox"/> Others 其他 (please specify 請說明)	

Attention Please 請注意:

- Please submit information on the condition of the tree under assessment and the mitigation measures undertaken/proposed to be undertaken to the Tree Management Office in a timely manner for uploading onto the Tree Register at www.trees.gov.hk.
 請將有關樹木詳情狀況及風險緩減措施資料適時提交樹木管理辦事處以便上傳有關資料於樹木管理辦事處網頁 www.trees.gov.hk。
- Please read in conjunction with TMO's Guidelines on Tree Risk Assessment and Management Arrangement (Para. 4.4 refers.)
 請參閱樹木管理辦事處的樹木風險評估及保養管理指引(第 4.4 節)

Signature of Inspection Officer :
 (A Qualified Arborist)

Signature of Endorsement Officer :
 (A Managerial Staff of the Contractor)

Name of Contractor :

Yan Wing (HK) Environment Management Ltd.

Dated this :

November 3, 2011



Note 1: Severity of defects can be categorized as "Severe" (S), "Moderate" (M), "Low" (L) and "Insignificant" (I).

(註)一: 缺陷程度可分為 "嚴重" (S), "中度嚴重" (M), "輕度嚴重" (L), 及 "不嚴重" (I)。

Note 2: Please refer to AFCD's NCPN No. 02 (Rev. Jun 2006) & ITWB No.3/2006

(註)二: 請參閱漁護署的自然護理作業備考第2號(2006年6月修訂)以及環境經驗及工程師的工務技術通告第M2006號。



Photo 2.

Overall view of the tree



Photo 3. To clear the under-growth at the planter.





欣榮 (香港) 環境管理有限公司

Yan Wing (Hong Kong) Environment Management Limited

香港 新界 元朗 新田 米埔村 青山道 14A 號 DD 105

No. 14A, DD105, Castle Peak Road, Mai Po Tsuen, San Tin, Yuen Long, N.T., Hong Kong

通信地址 (Mail Address) : 上水郵局信箱 八八九 號 (Sheung Shui Post Office Box 889)

Tel : 9776 1987 / 2486 2317 Fax : 2482 4667 E-mail : yanwinghk@hotmail.com

28th November 2011

Our Ref. : YW/TP/GAMMON/2011/11/1

Gammon Construction Limited

28/F Devon House

TaiKoo Place 979 King's Road

Hong Kong

Attn : Mr. Cliff C.H. LEUNG

Tel. 2516 8823

Fax.2516 6260

Dear Sir,

Summary of Monthly Inspection Report for the Six Existing Trees

at Central Police Station Compound for Nov. 2011

(Contract Ref. : J3416/400.4/D00025)

Tree No.	Botanical Name	Date of Inspection	Overall Health Condition Good/Fair/Poor	Remarks
Tree-5	<i>Mangifera indica</i> 芒果	24 th Nov. 2011	Good	The planter is clean and tidy
Tree-6	<i>Aleurites moluccana</i> 石栗	24 th Nov. 2011	Fair	The planter is clean and tidy
Tree-7	<i>Aleurites moluccana</i> 石栗	24 th Nov. 2011	Fair	The planter is clean and tidy
Tree-8	<i>Plumeria rubra</i> 紅雞蛋花	24 th Nov. 2011	Fair	The planter is clean and tidy
Tree-9	<i>Araucaria cunninghamia</i> 花旗杉	24 th Nov. 2011	Fair	The planter is clean and tidy
Tree-11	<i>Dracaena marginata</i> 馬尾鐵	24 th Nov. 2011	Fair	The planter is clean and tidy





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Tel : 9776 1987 / 2486 2317 Fax : 2482 4667 E-mail : yanwinghk@hotmail.com

Recommendations :-


To erect protective fence 2.5m high beyond the crown spread or the designated protection zone of all existing trees. The protective fence shall come with a padlocked door, access to it shall be restricted only to workers directly involved in tree work. No construction equipment or materials shall breach the cordon zone (CZ). No heat or fume shall drift into the CZ. No lifted materials shall sail above the CZ.

Tree Inspection Reports are attached for your reference and record, please.

I should be much grateful if you could endorse the attached Invoice (No.1007) and return the pink copy of the Invoice by mail to my Office via Sheung Shui P.O. Box 889. Thank you.

Yours faithfully

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


(WONG Pak Hay)
Horticulture Manager



FORM 1: TREE GROUP INSPECTION FORM

表格 1: 樹群檢查表格

General Information 基本資料

Company 公司:	Gammon Construction Ltd	Name of Tree Inspection officer 巡查人員姓名:	HO Kun Chung
File Ref. 檔案編號:	YW/IP/GAMMON/2011/11/2	Name of Endorsement Officer 覆核人員姓名:	WONG Pak Hay
Date of Inspection 巡查日期:	November 24, 2011		
Project/Contract No. 合約/工程編號:	J3416/400.4/D00025		

Location Information 位置資料

Location 地點:	Central Police Station Compound	Nearby Utility Post No. 就近公用設施編號:	
Location Types 地點類別: Address: _____ (multiple answers allowed) 可選多於一物	<input type="checkbox"/> Roadside 路旁 <input checked="" type="checkbox"/> Open space 空地 <input type="checkbox"/> Exhibition Centre 展覽中心 <input type="checkbox"/> View Point 觀景台 <input type="checkbox"/> Walking / nature trail 行山徑 / 自然徑 <input type="checkbox"/> Others (please specify) 其他 (請說明): _____		
	<input type="checkbox"/> Community Hall / Centre 社區會堂 / 中心 <input type="checkbox"/> Roadside Planter 路旁花園 <input type="checkbox"/> Rain shelter / pavilion 避雨亭 / 涼亭 <input type="checkbox"/> Sitting out area 休憩處		

General Tree Information 基本樹木資料

* Delete as appropriate 請把不合適的刪除

Main tree species in the group or minority tree species of significant size 在群組內的主要樹種或樹幹胸徑或高度或樹冠範圍較大的樹種 (Note 2)	Approx. number of trees in the relevant species or as a % of tree group 該樹種在群組內的百分比/數目*	Range of tree height (m) 該樹種高度範圍	Overall health condition 整體健康狀況 (good, fair, poor 好, 良, 差)	Overall structural condition 整體結構狀況 (good, fair, poor 好, 良, 差)	Other remarks (Any special tree condition, e.g. dying/dead, pest/disease problem and structural defects; and soil condition 其他評語 (樹木狀況例如: 凋謝/枯樹/病蟲害或結構問題; 及泥土狀況)
<i>Mangifera indica</i> 芒果	17%, 1 No.	16M	GOOD	GOOD	
<i>Aleurites moluccana</i> 石栗	32% 2 Nos.	10-13M	FAIR	FAIR	
<i>Plumeria rubra</i> 紅雞蛋花	17% 1 No.	7M	FAIR	FAIR	
<i>Araucaria cunninghamia</i> 花旗杉	17% 1 No.	13M	FAIR	FAIR	
<i>Dracaena marginata</i> 馬尾鐵	17% 1 No.	8M	FAIR	FAIR	

Target 目標

TARGET (people or property potentially affected by tree/branch failure) 目標 (因樹木倒塌或枝條斷裂而受影響的人或財產)

Does target exist? 目標是否存在? Yes 是 No 否

Can target be moved? 能否移除目標? Yes 是 No 否

Can the use of site be restricted? 可否限制場地的使用? Yes 是 No 否

Frequency of use of location 使用該地點的頻密程度:
 Occasional use 偶爾使用 Intermittent use 間歇使用 Frequent use 經常使用 Constant use 恆常使用

Identification of Trees for Remedial Action or Detailed Tree Risk Assessment

識別下述樹木, 以便採取風險緩減措施或進行詳細樹木風險評估

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

Attached Information 附夾資料

Site plan 場地平面圖 Photo record 相片紀錄 Others 其他 (please specify 請說明): **Monthly Inspection Reports**

Signature of Endorsement Officer: _____

Signature of Tree Inspection Officer: _____

Name of Contractor

Yan Wing (HK) Environment Management Ltd.

Date:

28-11-2011



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

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

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

備註 2: 請參閱樹木管理辦事處的樹木風險評估安排及管理指引(第 4.3 節)

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

I. TREE NUMBER : Tree-5 *Mangifera indica* 芒果

II. BASIC INFORMATION :

Height (m)	16m	Crown spread (m)	18m
DBH (mm)	1000mm	Overall Health Condition Good/Fair/Poor	Good
Date of Inspection	24 th November 2011	Last Inspection Date	27 th October 2011

III. COMMENTS :

1. Overall health condition of the tree is good.
2. The tree is growing at a planter surrounded by protective rails.
3. Cleaning tools and rubbish at the planter have been removed prior to inspection.
4. The planter appears clean and tidy at the time of inspection.

IV. RECOMMENDATIONS :

1. To erect a protective fence 2.0m high with a padlocked door beyond the crown spread or the designated protection zone of the existing tree.

V. PHOTO RECORD :

Fig 1. Tree number



Fig 2. Overall view of the tree.



Fig. 3 Cleaning tools and rubbish have been removed prior to inspection, the planter appears clean and tidy.



Fig. 4 The rails have been linked up as a temperate protection zone.



Signature of Inspection Officer :
(Mr. HO Kun-chung, ISA CA -HK0452A)

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

Name of Contractor :

Dated this :

Yan Wing (HK) Environment
Management Ltd.

28th November 2011



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

I. TREE NUMBER : Tree-6 *Aleurites moluccana* 石栗

II. BASIC INFORMATION :

Height (m)	10m	Crown spread (m)	10m
DBH (mm)	510mm	Overall Health Condition Good/Fair/Poor	Fair
Date of Inspection	24 th November 2011	Last Inspection Date	27 th October 2011

III. COMMENTS :

1. Overall health condition of the tree is fair.
2. Construction debris and rubbish have been removed prior to inspection.
3. The planter keeps clean and tidy at the time of inspection.

IV. RECOMMENDATIONS :

1. To erect a protective fence ^{2.5m} 2.0m high with a padlocked door beyond the crown spread or the designated protection zone of all the existing trees.

V. PHOTO RECORD :

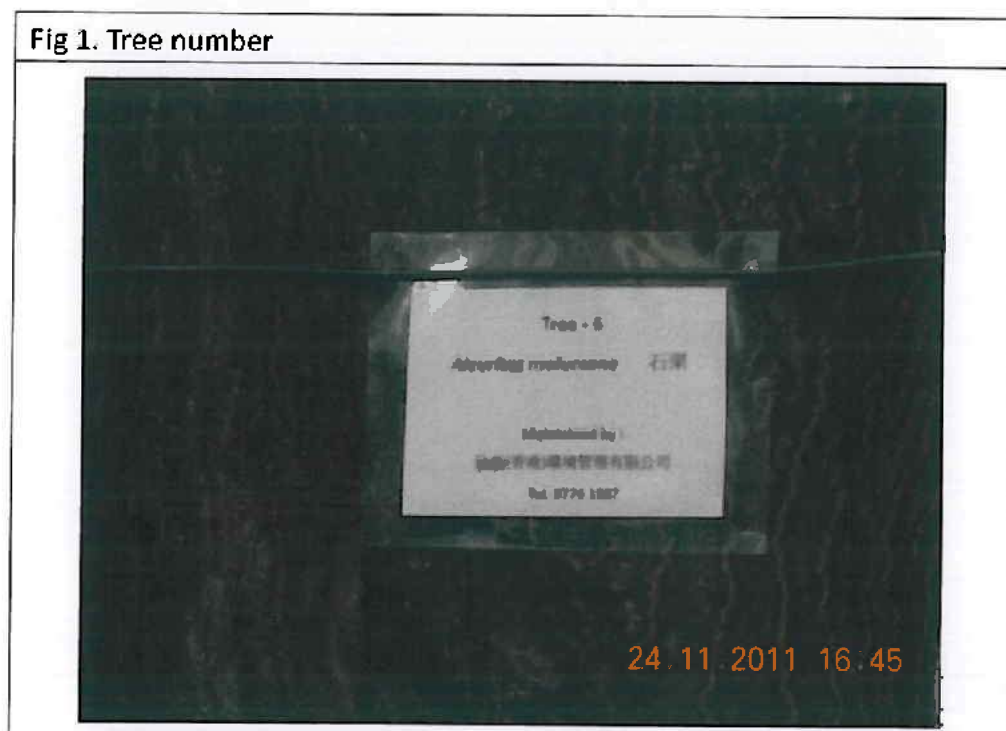


Fig 2. Overall view of the tree.



Fig. 3 The planter keeps clean and tidy at the time of inspection.



Signature of Inspection Officer :
(Mr. HO Kun-chung, ISA CA -HK0452A)

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

Name of Contractor :

Yan Wing (HK) Environment
Management Ltd.



Dated this :

28th November 2011

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

I. TREE NUMBER : Tree-7 *Aleurites moluccana* 石栗

II. BASIC INFORMATION :

Height (m)	13m	Crown spread (m)	12m
DBH (mm)	650mm	Overall Health Condition Good/Fair/Poor	Fair
Date of Inspection	24 th November 2011	Last Inspection Date	27 th October 2011

III. COMMENTS :

1. Overall health condition of the tree is fair.
2. The planter keeps clean and tidy at the time of inspection.

IV. RECOMMENDATIONS :

2.5m ↘

1. To erect a protective fence 2.0m high with a padlocked door beyond the crown spread or the designated protection zone of all the existing trees.

V. PHOTO RECORD :

Fig 1. Tree number

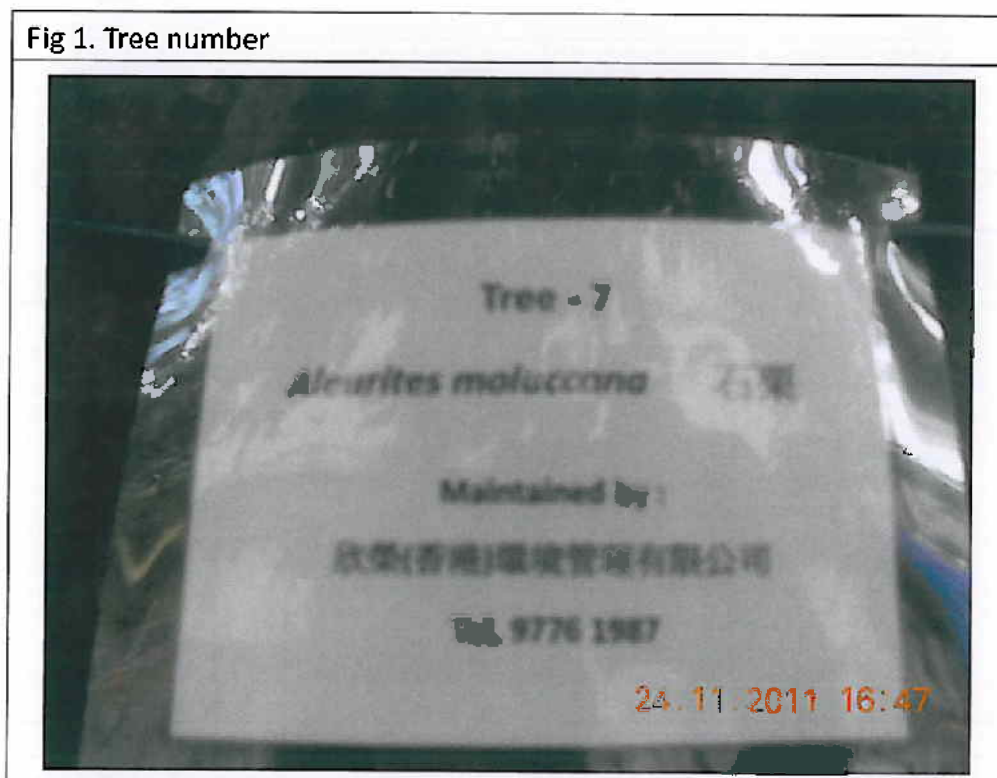


Fig 2. Overall view of the tree.



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



Signature of Inspection Officer :
(Mr. HO Kun-chung, ISA CA –HK0452A)

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

Name of Contractor :

Dated this :



Yan Wing (HK) Environment
Management Ltd.

28th November 2011



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

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

II. BASIC INFORMATION :

Height (m)	7m	Crown spread (m)	9m
DBH (mm)	430mm	Overall Health Condition Good/Fair/Poor	Fair
Date of Inspection	24 th November 2011	Last Inspection Date	27 th October 2011

III. COMMENTS :

1. Overall health condition of the tree is fair.
2. The construction debris at the planter had been cleared prior to inspection.
3. The planter is clean and tidy at the time of inspection.

IV. RECOMMENDATIONS :

1. To erect a protective fence 2.0m high with a padlocked door beyond the crown spread or the designated protection zone of all the existing trees.

2. PHOTO RECORD :



Fig 2. Overall view of the tree.



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



Signature of Inspection Officer :
(Mr. HO Kun-chung, ISA CA –HK0452A)

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

Name of Contractor :

Dated this :

Yan Wing (HK) Environment
Management Ltd.

28th November 2011



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

I. TREE NUMBER : Tree - 9 *Araucaria cunninghamia* 花旗杉

II. BASIC INFORMATION :

Height (m)	13m	Crown spread (m)	5m
DBH (mm)	230mm	Overall Health Condition Good/Fair/Poor	Fair
Date of Inspection	24 th November 2011	Last Inspection Date	27 th October 2011

III. COMMENTS :

1. Overall health condition of the tree is fair.
2. Under-growth and rubbish had been cleared prior to inspection.
3. The planter is clean and tidy at the time of inspection.

IV. RECOMMENDATIONS :

1. To erect a protective fence 2.0m high with a padlocked door beyond the crown spread or the designated protection zone of all the existing trees.

V. PHOTO RECORD :

Fig 1. Tree number



Fig 2. Overall view of the tree.



**Fig. 3 Under-growth and rubbish have been cleared prior to inspection,
The planter keeps clean and tidy.**



Signature of Inspection Officer :
(Mr. HO Kun-chung, ISA CA -HK0452A)

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

Name of Contractor :

Dated this :



Yan Wing (HK) Environment
Management Ltd.

28th November 2011



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

I. TREE NUMBER : Tree -11 *Dracaena marginata* 馬尾鐵

II. BASIC INFORMATION :

Height (m)	8m	Crown spread (m)	2m
DBH (mm)	170mm	Overall Health Condition Good/Fair/Poor	Fair
Date of Inspection	24 th November 2011	Last Inspection Date	27 th October 2011

III. COMMENTS :

1. Overall health condition of the tree is fair.
2. Temperate fence has been erected at the planter.
3. Under-growth and rubbish have been cleared prior to inspection.
4. The planter is clean and tidy at the time of inspection.

IV. RECOMMENDATIONS :

1. To erect a protective fence 2.0m high with a padlocked door beyond the crown spread or the designated protection zone of the existing tree.

V. PHOTO RECORD :



Fig 2. Overall view of the tree.



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



Fig. 4 Temperate fence has been erected at the planter.



Signature of Inspection Officer :
(Mr. HO Kun-chung, ISA CA -HK0452A)

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

Name of Contractor :

Dated this :

Yan Wing (HK) Environment
Management Ltd.

28th November 2011

