

Central Police Station Conservation and Revitalisation Project	
Submission:	Baseline Vibration Impact Monitoring Report for Demolition Works at Central Police Station Compound at No. 10, Hollywood Road
Date:	13 February 2012
Submitted by:	The Jockey Club CPS Limited

The baseline vibration monitoring was conducted on 23 December 2012. The vibration measurement was conducted in accordance with the vibration monitoring proposal for demolition works submitted to EPD on 19 January 2012 in accordance with the requirement specified in Appendix, Part A, Condition 2(k) of the Environmental Permit (EP-408/2011/A). The baseline vibration monitoring results are shown in *Table 1*.

Table 1 *Baseline Vibration Monitoring Results*

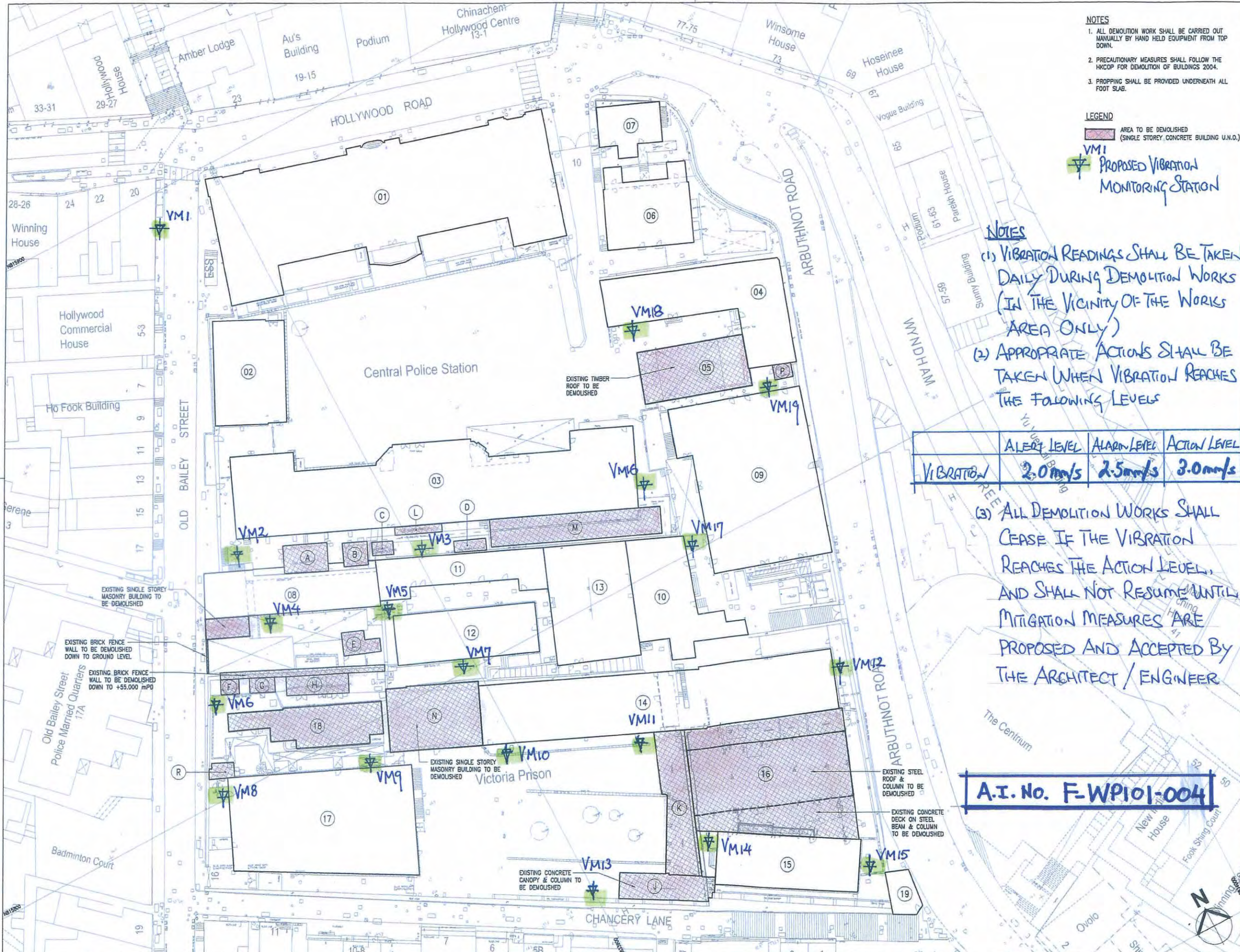
Date	Time	Location of Check Points	Result (Max. Point) (mm/s)	Monitoring Duration (mins)	Alert Level (mm/s)	Alarm Level (mm/s)	Action Level (mm/s)
23 Dec 2011	11:05	VM1	0.51	5	2.0	2.5	3.0
23 Dec 2011	14:18	VM4	0.25	5	2.0	2.5	3.0
23 Dec 2011	14:27	VM5	0.63	5	2.0	2.5	3.0
23 Dec 2011	13:30	VM6	0.13	5	2.0	2.5	3.0
23 Dec 2011	14:40	VM7	0.13	5	2.0	2.5	3.0
23 Dec 2011	14:06	VM8	0.13	5	2.0	2.5	3.0
23 Dec 2011	13:21	VM9	0.13	5	2.0	2.5	3.0
23 Dec 2011	13:41	VM10	0.13	5	2.0	2.5	3.0

The vibration monitoring locations are shown in *Annex A*.

No exceedance of Alert, Action and Alarm (AAA) Levels of vibration monitoring was recorded during the baseline vibration monitoring.

Annex A

Locations of Vibration Monitoring



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

LEGEND

AREA TO BE DEMOLISHED (SINGLE STOREY CONCRETE BUILDING U.N.O.)

VMI PROPOSED VIBRATION MONITORING STATION

- NOTES**
- (1) VIBRATION READINGS SHALL BE TAKEN DAILY DURING DEMOLITION WORKS (IN THE VICINITY OF THE WORKS AREA ONLY)
 - (2) APPROPRIATE ACTIONS SHALL BE TAKEN WHEN VIBRATION REACHES THE FOLLOWING LEVELS

VIBRATION	ALERT LEVEL	ALARM LEVEL	ACTION LEVEL
	2.0mm/s	2.5mm/s	3.0mm/s

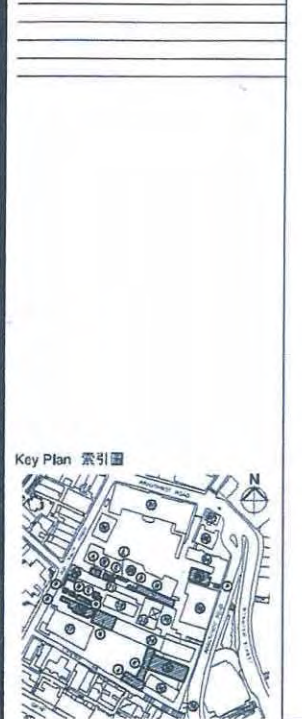
- (3) ALL DEMOLITION WORKS SHALL CEASE IF THE VIBRATION REACHES THE ACTION LEVEL, AND SHALL NOT RESUME UNTIL MITIGATION MEASURES ARE PROPOSED AND ACCEPTED BY THE ARCHITECT / ENGINEER

A.I. No. F-WP101-004

B.D. Ref. No. 建築署樓宇編號
22-1/3096, 10 (4)

F.S.D. Ref. No. 消防處樓宇編號

No. 編號	Description 說明	Date 日期	Approved 審批
01	TENDER	08/11	T.H.
02	BD SUBMISSION	08/11	T.H.



BD SUBMISSION
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Project 項目
CENTRAL POLICE STATION
CONSERVATION AND REVITALISATION

Drawing Title 圖名
DEMOLITION SITE PLAN
(OVERALL)
VIBRATION MONITORING

Scale 比例
1:300@A1

Drawn 繪圖
P.C.

Checked 校對
T.H.

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