Structural Additions and Alterations at Block 11

WYNDHAM STREET

ARBUTHNOT ROAD

Plan Approved
CHIONG Kam-yuen (Jacky)
Chief Structural Engineer
for BUILDING AUTHORITY
– 3 OCT 2012
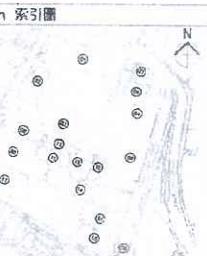
Key Plan 索引圖

Client 業主
賽馬會慈善有限公司
The Jockey Club CPS Limited

Design Consultant
HERZOG & DE MEURON

Conservation Architect
PURCELL MILLER TRITTON

Executive Architect / AP
ROCCO 許李

Structural Engineer / RSE
ARUP

E & M Engineer
JRP

Project 項目
CENTRAL POLICE STATION
CONSERVATION AND REVITALISATION
PROJECT

Drawing Title 圖名
MONITORING LAYOUT PLAN

Scale 比例	Drawn 繪圖	Checked 校對
1:3000 A1	K.C.Lai	AL

Drawing No. 圖號: 00-0AP209674-G-001
Revision 修改號: M

LEGEND

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

Central Police Station

Victoria Prison

The Centrum

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

Vibration Monitoring Record (November)

Point	Block 11	
	VM11-1	VM11-2
Date	mm/s	mm/s
01-Nov-16	0.112	0.104
02-Nov-16	0.105	0.119
03-Nov-16	0.103	0.110
04-Nov-16	0.104	0.108
05-Nov-16	0.105	0.108
06-Nov-16	Sunday	
07-Nov-16	0.104	0.101
08-Nov-16	0.106	0.115
09-Nov-16	0.102	0.107
10-Nov-16	0.119	0.110
11-Nov-16	0.106	0.109
12-Nov-16	0.109	0.104
13-Nov-16	Sunday	
14-Nov-16	0.106	0.101
15-Nov-16	0.109	0.111
16-Nov-16	0.102	0.105
17-Nov-16	0.114	0.105
18-Nov-16	0.106	0.108
19-Nov-16	0.078	0.073
20-Nov-16	Sunday	
21-Nov-16	0.103	0.097
22-Nov-16	0.109	0.085
23-Nov-16	0.105	0.076
24-Nov-16	0.126	0.107
25-Nov-16	0.103	0.105
26-Nov-16	0.105	0.110
27-Nov-16	Sunday	
28-Nov-16	0.109	0.102
29-Nov-16	0.083	0.109
30-Nov-16	0.079	0.081

Vibration Monitoring Record (December)

Point	Block 11	
	VM11-1	VM11-2
Date	mm/s	mm/s
01-Dec-16	0.100	0.099
02-Dec-16	0.099	0.102
03-Dec-16	0.101	0.104
04-Dec-16	Sunday	
05-Dec-16	0.090	0.085
06-Dec-16	0.102	0.107
07-Dec-16	0.103	0.108
08-Dec-16	0.087	0.102
09-Dec-16	0.095	0.109
10-Dec-16	0.074	0.098
11-Dec-16	Sunday	
12-Dec-16	0.083	0.094
13-Dec-16	0.080	0.105
14-Dec-16	0.095	0.112
15-Dec-16	0.100	0.083
16-Dec-16	0.096	0.107
17-Dec-16	0.105	0.100
18-Dec-16	Sunday	
19-Dec-16	0.102	0.092
20-Dec-16	0.094	0.100
21-Dec-16	0.076	0.089
22-Dec-16	0.081	0.097
23-Dec-16	0.095	0.105
24-Dec-16	0.083	0.099
25-Dec-16	Sunday	
26-Dec-16	Holiday	
27-Dec-16	Holiday	
28-Dec-16	0.071	0.105
29-Dec-16	0.097	0.100
30-Dec-16	0.100	0.107
31-Dec-16	0.077	0.083

Vibration Monitoring Record (January)

	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
01-Jan-17	Sunday	
02-Jan-17	Holiday	
03-Jan-17	0.083	0.109
04-Jan-17	0.080	0.081
05-Jan-17	0.110	0.107
06-Jan-17	0.098	0.105
07-Jan-17	0.100	0.099
08-Jan-17	Sunday	
09-Jan-17	0.085	0.107
10-Jan-17	0.097	0.123
11-Jan-17	0.096	0.122
12-Jan-17	0.082	0.104
13-Jan-17	0.100	0.107
14-Jan-17	0.080	0.094
15-Jan-17	Sunday	
16-Jan-17	0.086	0.108
17-Jan-17	0.104	0.107
18-Jan-17	0.092	0.119
19-Jan-17	0.085	0.102
20-Jan-17	0.076	0.115
21-Jan-17	0.089	0.107
22-Jan-17	Sunday	
23-Jan-17	0.096	0.102
24-Jan-17	0.105	0.108
25-Jan-17	0.098	0.101
26-Jan-17	0.082	0.095
27-Jan-17	Site Close	
28-Jan-17	Holiday	
29-Jan-17	Sunday	
30-Jan-17	Holiday	
31-Jan-17	Holiday	

Vibration Monitoring Record (February 2017)

	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
01-Feb-17	Site Close	
02-Feb-17	Site Close	
03-Feb-17	**0.076**	**0.108**
04-Feb-17	**0.082**	**0.087**
05-Feb-17	Sunday	
06-Feb-17	**0.097**	**0.108**
07-Feb-17	**0.089**	**0.111**
08-Feb-17	**0.085**	**0.104**
09-Feb-17	**0.090**	**0.101**
10-Feb-17	**0.081**	**0.106**
11-Feb-17	**0.075**	**0.103**
12-Feb-17	Sunday	
13-Feb-17	**0.097**	**0.105**
14-Feb-17	**0.100**	**0.107**
15-Feb-17	**0.108**	**0.102**
16-Feb-17	**0.103**	**0.100**
17-Feb-17	**0.099**	**0.105**
18-Feb-17	**0.124**	**0.101**
19-Feb-17	Sunday	
20-Feb-17	**0.108**	**0.108**
21-Feb-17	**0.116**	**0.104**
22-Feb-17	**0.104**	**0.101**
23-Feb-17	**0.128**	**0.109**
24-Feb-17	**0.114**	**0.103**
25-Feb-17	**0.103**	**0.118**
26-Feb-17	Sunday	
27-Feb-17	**0.105**	**0.110**
28-Feb-17	**0.101**	**0.102**

Vibration Monitoring Record (March)

Point	Block 11 VM11-1	VM11-2
Date	mm/s	mm/s
01-Mar-17	0.109	0.128
02-Mar-17	0.102	0.109
03-Mar-17	0.111	0.102
04-Mar-17	0.107	0.106
05-Mar-17	Sunday	
06-Mar-17	0.109	0.102
07-Mar-17	0.105	0.108
08-Mar-17	0.124	0.109
09-Mar-17	0.112	0.115
10-Mar-17	0.109	0.121
11-Mar-17	0.115	0.107
12-Mar-17	Sunday	
13-Mar-17	0.110	0.102
14-Mar-17	0.124	0.105
15-Mar-17	0.107	0.109
16-Mar-17	0.106	0.102
17-Mar-17	0.102	0.109
18-Mar-17	0.102	0.103
19-Mar-17	Sunday	
20-Mar-17	0.106	0.100
21-Mar-17	0.103	0.108
22-Mar-17	0.115	0.101
23-Mar-17	0.102	0.105
24-Mar-17	0.103	0.129
25-Mar-17	0.108	0.112
26-Mar-17	Sunday	
27-Mar-17	0.106	0.102
28-Mar-17	0.106	0.108
29-Mar-17	0.100	0.104
30-Mar-17	0.110	0.103
31-Mar-17	0.102	0.100

Vibration Monitoring Record (April)

	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
01-Apr-17	0.104	0.102
02-Apr-17	Sunday	
03-Apr-17	0.109	0.102
04-Apr-17	Holiday	
05-Apr-17	0.103	0.105
06-Apr-17	0.104	0.099
07-Apr-17	0.106	0.104
08-Apr-17	0.108	0.104
09-Apr-17	Sunday	
10-Apr-17	0.111	0.109
11-Apr-17	0.105	0.103
12-Apr-17	0.109	0.102
13-Apr-17	0.104	0.107
14-Apr-17	Holiday	
15-Apr-17	Holiday	
16-Apr-17	Sunday	
17-Apr-17	Holiday	
18-Apr-17	0.100	0.109
19-Apr-17	0.104	0.107
20-Apr-17	0.102	0.104
21-Apr-17	0.100	0.102
22-Apr-17	0.106	0.100
23-Apr-17	Sunday	
24-Apr-17	0.100	0.103
25-Apr-17	0.102	0.112
26-Apr-17	0.100	0.118
27-Apr-17	0.107	0.105
28-Apr-17	0.097	0.109
29-Apr-17	0.106	0.102
30-Apr-17	Sunday	

Vibration Monitoring Record (May)

	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
1-May-17	Holiday	
2-May-17	**0.100**	**0.109**
3-May-17	Holiday	
4-May-17	**0.094**	**0.104**
5-May-17	**0.100**	**0.102**
6-May-17	**0.099**	**0.103**
7-May-17	Sunday	
8-May-17	**0.090**	**0.105**
9-May-17	**0.100**	**0.102**
10-May-17	**0.102**	**0.107**
11-May-17	**0.086**	**0.102**
12-May-17	**0.106**	**0.100**
13-May-17	**0.102**	**0.109**
14-May-17	Sunday	
15-May-17	**0.099**	**0.095**
16-May-17	**0.103**	**0.108**
17-May-17	**0.109**	**0.111**
18-May-17	**0.102**	**0.105**
19-May-17	**0.090**	**0.105**
20-May-17	**0.086**	**0.102**
21-May-17	Sunday	
22-May-17	**0.084**	**0.104**
23-May-17	**0.109**	**0.105**
24-May-17	**0.102**	**0.110**
25-May-17	**0.100**	**0.104**
26-May-17	**0.094**	**0.102**
27-May-17	**0.085**	**0.109**
28-May-17	Sunday	
29-May-17	**0.097**	**0.115**
30-May-17	Holiday	
31-May-17	**0.083**	**0.107**

Vibration Monitoring Record (June 2017)

Point	Block 11	
	VM11-1	VM11-2
Date	mm/s	mm/s
01-Jun-17	0.076	0.108
02-Jun-17	0.076	0.108
03-Jun-17	0.076	0.108
04-Jun-17	Sunday	
05-Jun-17	0.105	0.103
06-Jun-17	0.109	0.105
07-Jun-17	0.102	0.094
08-Jun-17	0.100	0.100
09-Jun-17	0.109	0.108
10-Jun-17	0.105	0.109
11-Jun-17	Sunday	
12-Jun-17	0.117	0.102
13-Jun-17	0.107	0.099
14-Jun-17	0.102	0.092
15-Jun-17	0.105	0.106
16-Jun-17	0.105	0.103
17-Jun-17	0.102	0.106
18-Jun-17	Sunday	
19-Jun-17	0.105	0.107
20-Jun-17	0.109	0.102
21-Jun-17	0.102	0.110
22-Jun-17	0.109	0.108
23-Jun-17	0.105	0.100
24-Jun-17	0.109	0.101
25-Jun-17	Sunday	
26-Jun-17	0.105	0.093
27-Jun-17	0.101	0.100
28-Jun-17	0.110	0.100
29-Jun-17	0.106	0.104
30-Jun-17	0.117	0.109

Vibration Monitoring Record (July)

	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
01-Jul-17	Holiday	
02-Jul-17	Sunday	
03-Jul-17	**0.105**	**0.104**
04-Jul-17	**0.103**	**0.110**
05-Jul-17	**0.114**	**0.100**
06-Jul-17	**0.109**	**0.109**
07-Jul-17	**0.122**	**0.102**
08-Jul-17	**0.107**	**0.105**
09-Jul-17	Sunday	
10-Jul-17	**0.108**	**0.101**
11-Jul-17	**0.107**	**0.105**
12-Jul-17	**0.125**	**0.105**
13-Jul-17	**0.105**	**0.100**
14-Jul-17	**0.108**	**0.103**
15-Jul-17	**0.102**	**0.105**
16-Jul-17	Sunday	
17-Jul-17	**0.105**	**0.102**
18-Jul-17	**0.109**	**0.103**
19-Jul-17	**0.102**	**0.107**
20-Jul-17	**0.118**	**0.102**
21-Jul-17	**0.105**	**0.105**
22-Jul-17	**0.109**	**0.117**
23-Jul-17	Sunday	
24-Jul-17	**0.110**	**0.102**
25-Jul-17	**0.128**	**0.107**
26-Jul-17	**0.129**	**0.105**
27-Jul-17	**0.105**	**0.108**
28-Jul-17	**0.112**	**0.110**
29-Jul-17	**0.110**	**0.105**
30-Jul-17	Sunday	
31-Jul-17	**0.114**	**0.107**

Vibration Monitoring Record (August 2017)

	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
01-Aug-17	0.105	0.109
02-Aug-17	0.109	0.104
03-Aug-17	0.128	0.105
04-Aug-17	0.125	0.108
05-Aug-17	0.107	0.102
06-Aug-17	Sunday	
07-Aug-17	0.113	0.105
08-Aug-17	0.117	0.108
09-Aug-17	0.105	0.104
10-Aug-17	0.111	0.107
11-Aug-17	0.118	0.102
12-Aug-17	0.102	0.107
13-Aug-17	Sunday	
14-Aug-17	0.109	0.104
15-Aug-17	0.107	0.106
16-Aug-17	0.114	0.101
17-Aug-17	0.111	0.112
18-Aug-17	0.101	0.109
19-Aug-17	0.105	0.102
20-Aug-17	Sunday	
21-Aug-17	0.104	0.107
22-Aug-17	0.109	0.102
23-Aug-17	Typhoon	
24-Aug-17	0.103	0.107
25-Aug-17	0.109	0.110
26-Aug-17	0.115	0.102
27-Aug-17	Sunday	
28-Aug-17	0.104	0.106
29-Aug-17	0.105	0.102
30-Aug-17	0.108	0.105
31-Aug-17	0.117	0.101

Vibration Monitoring Record (September)

	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
01-Sep-17	**0.105**	**0.102**
02-Sep-17	**0.109**	**0.106**
03-Sep-17	Sunday	
04-Sep-17	**0.127**	**0.102**
05-Sep-17	**0.105**	**0.106**
06-Sep-17	**0.110**	**0.103**
07-Sep-17	**0.107**	**0.102**
08-Sep-17	**0.102**	**0.105**
09-Sep-17	**0.105**	**0.103**
10-Sep-17	Sunday	
11-Sep-17	**0.109**	**0.104**
12-Sep-17	**0.105**	**0.102**
13-Sep-17	**0.111**	**0.106**
14-Sep-17	**0.125**	**0.109**
15-Sep-17	**0.106**	**0.102**
16-Sep-17	**0.106**	**0.105**
17-Sep-17	Sunday	
18-Sep-17	**0.114**	**0.109**
19-Sep-17	**0.109**	**0.102**
20-Sep-17	**0.102**	**0.106**
21-Sep-17	**0.109**	**0.105**
22-Sep-17	**0.117**	**0.109**
23-Sep-17	**0.112**	**0.111**
24-Sep-17	Sunday	
25-Sep-17	**0.108**	**0.102**
26-Sep-17	**0.105**	**0.105**
27-Sep-17	**0.119**	**0.107**
28-Sep-17	**0.107**	**0.105**
29-Sep-17	**0.109**	**0.115**
30-Sep-17	**0.109**	**0.109**

Vibration Monitoring Record (October)

Date	Block 11	
Point	VM11-1	VM11-2
Date	mm/s	mm/s
01-Oct-17	Sunday	
02-Oct-17	The day following National Day	
03-Oct-17	0.110	0.101
04-Oct-17	0.104	0.106
05-Oct-17	The day following the Chinese Mid-Autumn Festival	
06-Oct-17	0.113	0.107
07-Oct-17	0.113	0.107
08-Oct-17	Sunday	
09-Oct-17	0.109	0.104
10-Oct-17	0.105	0.109
11-Oct-17	0.107	0.104
12-Oct-17	0.109	0.103
13-Oct-17	0.118	0.103
14-Oct-17	0.104	0.101
15-Oct-17	Sunday	
16-Oct-17	0.112	0.104
17-Oct-17	0.105	0.102
18-Oct-17	0.109	0.109
19-Oct-17	0.115	0.103
20-Oct-17	0.109	0.105
21-Oct-17	0.115	0.103
22-Oct-17	Sunday	
23-Oct-17	0.107	0.106
24-Oct-17	0.110	0.109
25-Oct-17	0.116	0.104
26-Oct-17	0.109	0.102
27-Oct-17	0.126	0.106
28-Oct-17	Chung Yeung Festival	
29-Oct-17	Sunday	
30-Oct-17	0.109	0.103
31-Oct-17	0.114	0.104

Annex M

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